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No. 190, April 1990

90-05535/

Migratory game birds harvested in Canada during the 1988 hunting season

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Introduction

The National Harvest Survey (NHS) and the Species Composition Survey (SCS) are conducted annually to estimate the number of migratory game birds killed by hunters in Canada.

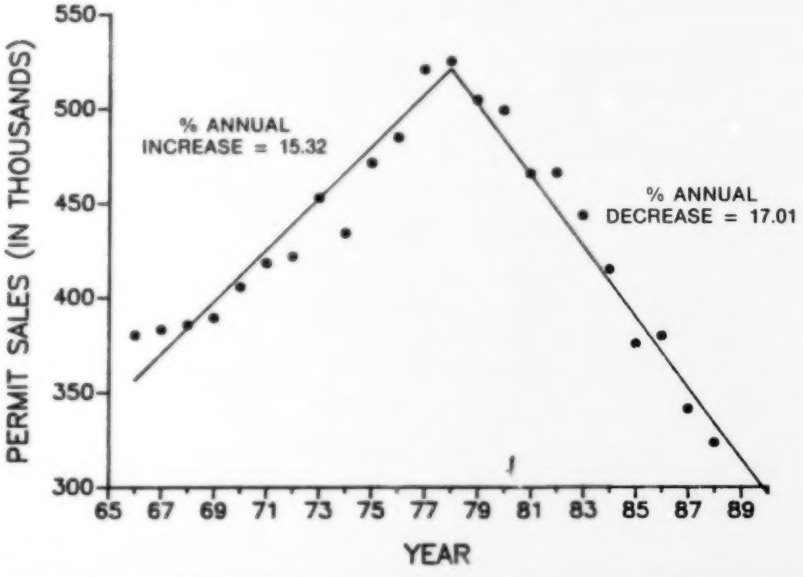
Methods

The NHS is based on a questionnaire that asks hunters to provide information on the number, location, and timing of their hunting trips and on migratory game birds killed (for nine species groups). The questionnaire was mailed in early December 1987 to a sample selected from the lists of purchasers of migratory game bird hunting permits for the current and previous years. A reminder was mailed to non-respondents in early February 1988.

The SCS asks hunters to send in the wing from each duck killed and the tail feathers from each goose killed, along with the hunting details. This allows the species group harvest estimates from the NHS to be partitioned by species. Usually, wing/tail envelopes are mailed in August to hunters selected from lists of permit purchasers in previous years.

[a]CWS, Ottawa, Ont. K1A 0H3.

Figure 1
Total sales of migratory game bird hunting permits in Canada, 1966–88



However, a delay in mailing in 1988 resulted in some hunters receiving survey envelopes after the hunting season had opened, particularly in the western provinces and territories. This resulted in a relatively low return rate early in the season in comparison with 1987.

Calculations to augment these early returns showed little difference from an unadjusted analysis. As a consequence, the results presented here are derived directly from the survey data. These results do not include illegal kill, legal hunting without permits by native people, or crippling loss. Cooch et al. (1978) give a full description of survey methods.

Additional wing envelopes were sent in January 1989 to the selected hunters in Newfoundland, as they have been since 1983. This extra survey increases the reliability of the estimate of species composition for Newfoundland, by ensuring that wings from the late harvest of sea ducks are representative. The recent trend in kill estimates by species for this province is not comparable with the results prior to 1983. Murres are legally taken by hunters in Newfoundland, but that kill is addressed by separate surveys.

Hunters in eastern Canada were asked to send a wing from any woodcock shot. The results of this additional wing collection can be obtained from the Canadian Wildlife Service, 31 West Main Street, PO Box 1590, Sackville, NB E0A 3C0.

The NHS form was presented in a more concise way for the 1988 hunting season, and the format of the question that asks about the hunting location was changed to that found in the SCS. The increase in response rate that resulted may be due to these changes.

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Results

In the past 30 years, the number of permits sold has changed markedly (Fig. 1). The decrease in sales since 1978 should be noted by those who use kill statistics as indices to population size. The permit sale totals for each province are given in Table 1.

The survey results are summarized for the same 23 geographic zones for which the survey sample selection is stratified (Fig. 2).

The distribution of permit sales among resident and non-resident (non-Canadian) hunters is shown in Table 2.

Table 3 gives the number of hunters who were sampled and who responded in the 1988 NHS. This is compared with earlier years in Table 4. Tables 5 through 15 present the results of the NHS questionnaire. Indications of the amount of recreational activity provided by hunting are presented in Tables 6 and 14.

Table 16 shows the number of hunters who were sampled and who responded in the 1988 SCS. Results of the SCS are used to assign species-specific proportions to the total estimated duck and goose kills. The most recent four years of estimated harvests for each species are summarized for Canada in Table 17, and by province and zone in Tables 18 through 29, based on data from both the NHS and the SCS. The percentages in Tables 18 through 29 are not comparable between years because they were calculated in different ways.

In some areas, Canada Geese are further identified to groups of subspecies based on size differences. In the western provinces, the tables show kills for Large and Small Canada Geese; elsewhere, subspecies that could not be separated are recorded simply as Canada Geese.

In the process of calculating estimates, rounding to significant digits took place at the last step in the analyses. It should not be expected that rounded column totals will equal the sum of values that have also been rounded.

Reference

Cooch, F.G.; Wendt, S.; Smith, G.E.J.; Butler, G. 1978. The Canada Migratory Game Bird Hunting Permit and associated surveys. Pages 8-39 *in* Boyd, H. and Finney, G.H. (eds.). Migratory game bird hunters and hunting in Canada. Can. Wildl. Serv. Rep. Ser. 43. 127 pp.

Figure 2
Geographic zones used in selecting samples for the NHS and SCS and for reporting their results

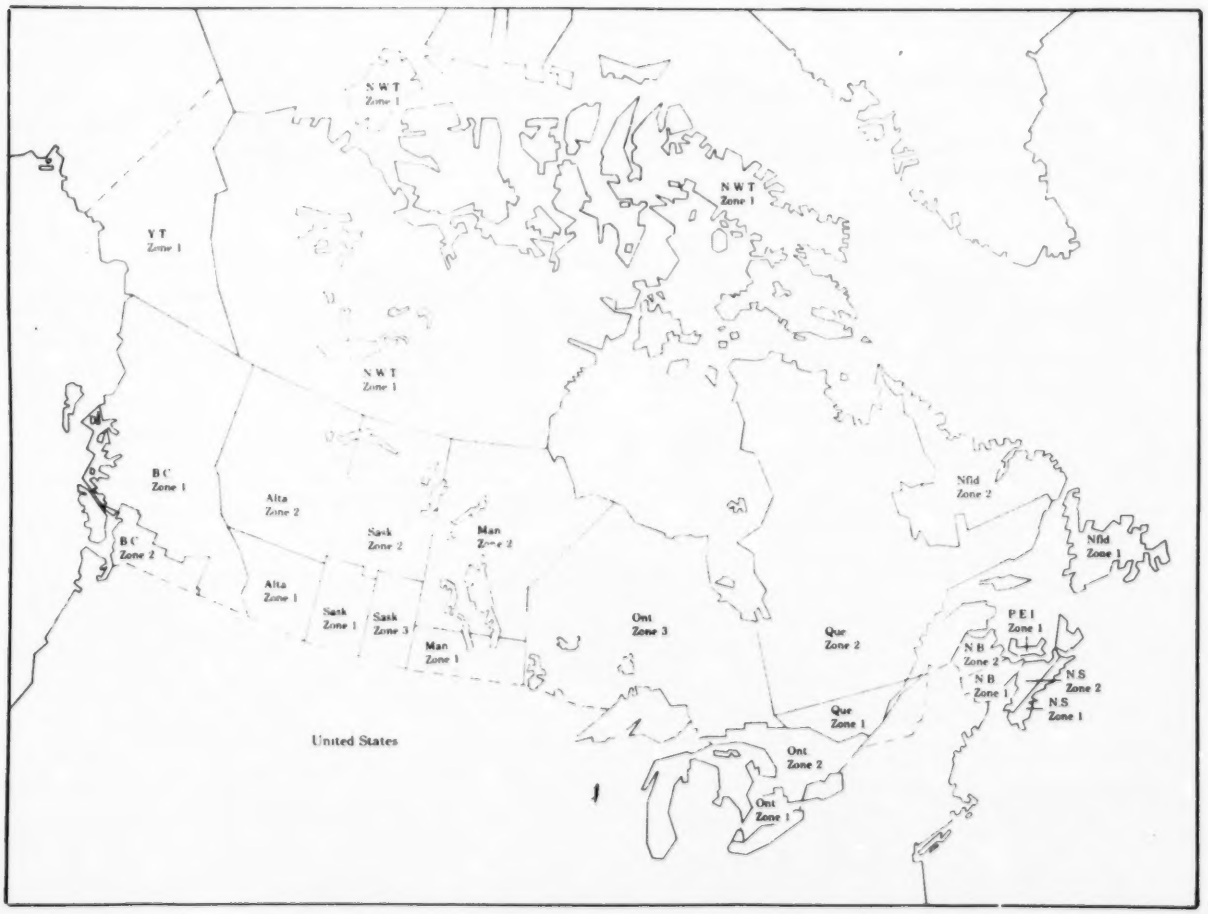

Table 1
Migratory game bird hunting permit sales by province of purchase, 1966–88

Year	Nfld.	PEI	NS	NB	Que.	Ont.	Man.	Sask.	Alta.	BC	NWT	Yukon	Total sales
1988	23 655	4 906	10 264	10 646	57 206	117 310	25 108	23 258	34 513	15 595	496	367	323 324
1987	21 080	4 959	10 299	9 897	55 124	122 472	30 207	29 930	40 122	16 259	523	391	341 263
1986	25 498	5 300	11 047	11 083	59 685	131 930	33 570	37 692	45 042	17 924	692	358	379 821
1985	25 652	5 171	10 749	10 354	60 823	130 089	31 753	36 445	44 880	18 753	713	361	375 743
1984	31 309	5 525	12 896	11 486	65 308	140 521	35 238	37 720	51 717	21 892	850	496	414 958
1983	30 977	5 898	13 468	12 758	67 700	139 569	40 443	45 383	61 742	24 170	750	474	443 332
1982	31 215	5 461	13 728	12 759	72 850	144 436	45 273	47 236	64 968	26 522	800	572	465 820
1981	31 406	5 611	14 130	12 287	75 178	141 677	46 528	42 856	66 163	28 243	764	514	465 352
1980	31 362	5 802	14 257	12 471	76 133	147 952	48 340	54 081	79 318	27 943	732	525	498 916
1979	35 490	5 888	14 098	13 409	73 209	150 224	49 344	56 174	77 021	28 263	755	584	504 459
1978	37 297	6 396	16 297	15 249	74 745	159 698	50 169	57 958	77 117	28 561	821	638	524 946
1977	36 188	6 158	15 744	14 209	72 828	156 895	46 438	60 029	82 175	28 357	902	607	520 530
1976	29 621	5 756	13 326	13 743	66 453	143 816	46 816	61 669	75 739	26 561	893	513	484 771
1975	30 115	4 963	13 990	12 930	63 768	148 670	42 846	57 723	69 191	25 918	721	485	471 320
1974	25 127	5 038	13 791	11 916	58 345	136 469	37 167	51 504	66 127	27 764	591	323	434 162
1973	27 919	4 972	15 071	12 869	57 247	141 277	41 711	51 307	67 012	33 456	—[a]	—	452 841
1972	23 682	4 492	12 158	11 336	53 082	131 427	41 133	50 004	63 309	31 032	—	—	421 677
1971	23 460	4 513	11 381	11 146	50 276	133 563	40 960	49 448	62 902	30 225	—	—	418 237
1970	21 347	3 926	9 926	10 293	46 009	135 231	39 230	47 722	59 986	31 350	—	—	405 650
1969	19 089	3 794	8 848	10 110	39 477	134 037	41 611	45 347	53 602	32 764	—	—	389 325
1968	17 645	3 649	9 022	9 558	37 110	139 182	38 712	43 596	53 623	33 301	—	—	385 553
1967	14 863	3 094	7 883	7 739	32 491	146 493	35 620	44 651	55 892	33 195	—	—	383 032
1966	13 269	3 271	7 220	8 535	35 868	144 063	37 784	44 744	52 911	32 394	—	—	380 059

[a] No data.

Table 2
Permit sales (renewals/non-renewals and resident/non-resident) by province and zone, 1988

Province	Zone	Permit sales			Renewals			Non-renewals		
		Total	Res.	Non-res.	Total	Res.	Non-res.	Total	Res.	Non-res.
Nfld.	1	21 354	21 303	51	16 157	16 110	47	5 197	5 193	4
	2	2 301	2 298	3	1 928	1 925	3	373	373	—
	Total	23 655	23 601	54	18 085	18 035	50	5 570	5 566	4
PEI	Total	4 906	4 841	65	4 408	4 364	44	498	477	21
NS	1	7 238	7 207	31	6 045	6 034	11	1 193	1 173	20
	2	3 026	2 999	27	2 360	2 339	21	666	660	6
	Total	10 264	10 206	58	8 405	8 373	32	1 859	1 833	26
NB	1	7 244	6 985	259	5 461	5 331	130	1 783	1 654	129
	2	3 402	3 337	65	2 548	2 504	44	854	833	21
	Total	10 646	10 322	324	8 009	7 835	174	2 637	2 487	150
Que.	1	44 793	44 206	587	35 926	35 662	264	8 867	8 544	323
	2	12 413	12 329	84	9 399	9 340	59	3 014	2 989	25
	Total	57 206	56 535	671	45 325	45 002	323	11 881	11 533	348
Ont	1	33 556	29 326	4 230	28 157	25 008	3 149	5 399	4 318	1 081
	2	63 401	62 559	842	54 673	54 105	568	8 728	8 454	274
	3	20 353	17 260	3 093	15 450	13 588	1 862	4 903	3 672	1 231
	Total	117 310	109 145	8 165	98 280	92 701	5 579	19 030	16 444	2 586
Man.	1	20 534	17 129	3 405	18 129	15 516	2 613	2 405	1 613	792
	2	4 574	3 646	928	3 909	3 242	667	665	404	261
	Total	25 108	20 775	4 333	22 038	18 758	3 280	3 070	2 017	1 053
Sask.	1	8 997	7 868	1 129	7 209	6 543	666	1 788	1 325	463
	2	4 928	4 537	391	3 832	3 593	239	1 096	944	152
	3	9 333	7 900	1 433	7 594	6 607	987	1 739	1 293	446
	Total	23 258	20 305	2 953	18 635	16 743	1 892	4 623	3 562	1 061
Alta.	1	13 824	13 457	367	10 825	10 590	235	2 999	2 867	132
	2	20 689	20 075	614	16 266	15 939	327	4 423	4 136	287
	Total	34 513	33 532	981	27 091	25 529	562	7 422	7 003	419
BC	1	6 139	5 900	239	4 221	4 139	82	1 918	1 761	157
	2	9 456	9 391	65	7 260	7 230	30	2 196	2 161	35
	Total	15 595	15 291	304	11 481	11 369	112	4 114	3 922	192
NWT	Total	496	479	17	322	318	4	174	161	13
Yukon	Total	367	353	14	197	195	2	170	158	12
Canada	Total	323 324	305 385	17 939	262 276	250 222	12 054	61 048	55 163	5 885

Table 3
Characteristics of sample of the NHS by province and zone, 1988

Province	Zone	Characteristics of sample							
		Sample[a]	Responses[b]	%[c]	Permit purchasers[d]	Active hunters[e]	%[f]	Successful hunters[g]	%[h]
Nfld.	1	2 448	953	38.9	689	433	63	301	44
	2	686	191	27.8	151	105	70	80	53
	Total	3 134	1 144	36.5	840	538	64	381	45
PEI	Total	544	236	43.4	192	158	82	140	73
NS	1	1 490	786	52.8	562	432	77	368	66
	2	463	266	57.5	157	122	78	102	65
	Total	1 953	1 052	53.9	719	554	77	470	65
NB	1	570	311	54.6	233	195	84	172	74
	2	287	157	54.7	117	87	74	76	65
	Total	857	468	54.6	350	282	81	248	71
Que.	1	3 777	2 325	61.6	1 785	1 385	78	1 250	70
	2	1 675	1 022	61.0	733	490	67	447	61
	Total	5 452	3 347	61.4	2 518	1 875	75	1 697	67
Ont.	1	1 893	1 660	87.7	1 395	1 041	75	874	63
	2	5 696	3 523	61.9	2 873	2 104	73	1 765	61
	3	1 954	1 938	99.2	1 690	1 322	78	1 188	70
	Total	9 543	7 121	74.6	5 958	4 467	75	3 827	64
Man.	1	1 900	1 552	81.7	1 183	1 012	86	938	79
	2	729	602	82.6	489	420	86	401	82
	Total	2 629	2 154	81.9	1 672	1 432	86	1 339	80
Sask.	1	1 212	690	56.9	456	361	79	333	73
	2	861	440	51.1	331	268	81	253	76
	3	1 120	795	71.0	576	476	83	434	75
	Total	3 193	1 925	60.3	1 363	1 105	81	1 020	75
Alta.	1	4 455	2 406	54.0	1 462	1 097	75	961	66
	2	3 319	1 874	56.5	1 369	1 011	74	923	67
	Total	7 774	4 280	55.1	2 831	2 108	75	1 884	67
BC	1	883	560	63.4	350	233	67	217	62
	2	1 593	942	59.1	675	467	69	414	61
	Total	2 476	1 502	60.7	1 025	700	68	631	62
NWT	Total	254	116	45.7	65	50	77	47	72
Yukon	Total	201	110	54.7	66	39	59	34	52
Canada	Total	38 010	23 455	61.7	17 599	13 308	76	11 718	67

[a] Sample is the number of questionnaires sent out.
[b] Responses are questionnaires that were completed and returned.
[c] Percentage of sample for which responses were received.
[d] Respondents who bought a permit in 1988 (usable responses).
[e] Respondents who hunted.
[f] Percentage of permit purchasers who hunted.
[g] Respondents who hunted successfully.
[h] Percentage of permit purchasers who hunted successfully.

Table 4
Characteristics of sample of the NHS, 1975–88

Year	Permit sales	Characteristics of sample									
		Sample	%[a]	Responses	%[b]	Permit purchasers	%[c]	Active hunters	%[d]	Successful hunters	%[e]
1975	471 320	40 400	8.6	20 648	51.1	15 872	76.9	12 980	81.8	11 170	70.4
1976	484 771	44 969	9.3	20 397	45.4	15 729	77.1	12 805	81.4	10 999	69.9
1977	520 530	45 015	8.6	22 896	50.9	17 833	77.9	14 119	79.2	11 812	66.2
1978	524 946	44 968	8.6	25 745	57.3	19 806	76.9	15 505	78.3	13 168	66.5
1979	504 459	44 743	8.9	23 699	53.0	17 808	75.1	13 642	77.0	11 668	66.0
1980	498 916	44 743	9.0	24 297	54.3	18 364	75.6	14 344	78.1	12 342	67.2
1981	465 352	44 631	9.6	21 269	47.7	15 471	72.7	11 760	76.0	9 886	64.0
1982	465 820	41 559	8.9	19 542	47.0	14 701	75.2	11 376	77.0	9 636	66.0
1983	443 332	40 612	9.2	19 080	47.0	14 629	76.7	11 515	78.7	9 883	67.6
1984	414 958	40 502	9.8	19 157	47.3	14 793	76.0	11 425	77.0	10 076	68.0
1985	375 743	40 502	10.8	19 371	47.8	14 253	73.6	11 373	80.0	9 821	69.0
1986	379 821	40 502	10.7	20 210	49.9	15 312	75.8	12 264	80.1	10 536	68.8
1987	341 263	37 607	11.0	17 407	46.3	13 034	74.9	10 479	80.4	9 083	69.7
1988	323 324	38 010	11.8	23 455	61.7	17 599	75.0	13 308	75.6	11 718	66.6
Average	443 896	42 055	9.6	21 227	50.5	16 086	75.7	12 635	78.6	10 843	67.6

[a] Sample as a percentage of permit sales.
[b] Percentage of sampled population who responded.
[c] Percentage of respondents who bought a permit.
[d] Percentage of permit purchasers who hunted.
[e] Percentage of permit purchasers who hunted successfully.

Table 5
Estimated number of successful hunters and birds harvested by province, species group, and zone, 1986–88

Province/ species group	Zone	Successful hunters			Birds harvested			Birds harvested/ successful hunter		
		1986	1987	1988	1986	1987	1988	1986	1987	1988
Newfoundland										
Ducks	1	11 284	6 046	8 455	101 639	38 969	68 024	9.01	6.44	8.05
	2	1 753	1 263	1 241	23 057	20 264	15 821	13.15	16.04	12.75
	Total	13 037	7 309	9 696	124 697	59 233	83 846	9.56	8.10	8.65
Geese	1	3 398	1 774	1 925	11 207	5 290	6 004	3.30	2.98	3.12
	2	1 081	825	573	5 776	5 633	3 185	5.34	6.82	5.55
	Total	4 479	2 600	2 498	16 984	10 923	9 189	3.79	4.20	3.68
Prince Edward Island										
Ducks	Total	3 375	3 231	3 296	29 561	28 703	34 331	8.76	8.88	10.42
Geese	Total	3 147	2 467	2 926	21 784	21 236	24 500	6.92	8.61	8.37
Nova Scotia										
Ducks	1	3 813	4 191	3 706	68 877	60 227	53 950	18.06	14.37	14.56
	2	2 560	2 271	2 695	30 878	25 867	30 859	12.06	11.39	11.45
	Total	6 373	6 462	6 401	99 756	86 095	84 810	15.65	13.32	13.25
Geese	1	1 086	1 613	1 067	6 516	9 522	6 542	6.00	5.90	6.13
	2	721	537	725	3 062	1 910	3 224	4.24	3.56	4.44
	Total	1 807	2 151	1 793	9 578	11 432	9 767	5.30	5.31	5.44
New Brunswick										
Ducks	1	4 694	4 453	4 882	50 675	41 392	46 525	10.79	9.29	9.53
	2	2 028	2 044	2 176	20 276	18 535	17 112	10.00	9.07	7.86
	Total	6 723	6 497	7 059	70 951	59 928	63 638	10.55	9.22	9.01
Geese	1	678	616	352	2 259	1 761	1 110	3.33	2.86	3.15
	2	644	966	719	3 211	3 128	3 419	4.98	3.24	4.75
	Total	1 323	1 582	1 071	5 470	4 889	4 529	4.14	3.09	4.23

(continued)

Table 5 *(concluded)*
Estimated number of successful hunters and birds harvested by province, species group, and zone, 1986–88

Province/ species group	Zone	Successful hunters			Birds harvested			Birds harvested/ successful hunter		
		1986	1987	1988	1986	1987	1988	1986	1987	1988
Quebec										
Ducks	1	30 411	28 926	27 862	346 716	376 581	366 725	11.40	13.02	13.16
	2	8 191	8 823	7 178	87 537	92 298	83 975	10.69	10.46	11.17
	Total	38 603	37 750	35 041	434 253	468 879	395 789	11.25	12.42	12.75
Geese	1	9 975	11 936	8 663	38 946	84 138	51 573	3.90	7.05	5.95
	2	3 031	3 177	2 440	11 225	16 334	13 266	3.70	5.14	5.44
	Total	13 006	15 114	11 104	50 171	100 473	64 840	3.86	6.65	5.84
Ontario										
Ducks	1	19 652	17 362	13 506	241 148	212 582	157 339	12.27	12.24	11.65
	2	46 929	46 245	38 871	422 908	439 714	380 228	9.01	9.51	9.78
	3	15 098	12 208	11 649	157 727	120 127	123 738	10.45	9.84	10.62
	Total	81 680	75 816	64 026	821 785	772 424	661 305	10.06	10.19	10.33
Geese	1	9 216	9 008	7 211	35 275	39 018	28 922	3.83	4.33	4.01
	2	12 820	10 422	8 911	32 695	36 931	29 445	2.55	3.54	3.30
	3	5 376	4 384	4 258	21 338	21 105	23 392	3.97	4.81	5.49
	Total	27 413	23 815	20 382	89 309	97 055	81 760	3.26	4.08	4.01
Manitoba										
Ducks	1	15 291	15 355	9 336	154 386	146 147	79 235	10.10	9.52	8.49
	2	5 769	5 535	4 225	53 406	67 053	46 734	9.26	12.11	11.06
	Total	21 061	20 891	13 561	207 792	213 201	125 969	9.87	10.21	9.29
Geese	1	14 537	15 425	11 615	105 676	126 075	98 446	7.27	8.17	8.48
	2	5 170	4 006	3 773	34 596	28 860	30 643	6.69	7.20	8.12
	Total	19 708	19 431	15 389	140 272	154 936	129 090	7.12	7.97	8.39
Saskatchewan										
Ducks	1	8 632	6 943	4 344	81 291	67 862	30 321	9.42	9.77	6.98
	2	4 678	4 432	3 405	58 489	60 543	41 785	12.50	13.66	12.27
	3	9 662	8 400	4 331	86 698	78 812	32 670	8.97	9.38	7.54
	Total	22 974	19 775	12 080	226 480	207 218	104 777	9.86	10.48	8.67
Geese	1	9 065	8 122	6 213	72 661	85 172	57 777	8.02	10.49	9.30
	2	3 560	3 529	3 023	21 885	33 135	24 449	6.15	9.39	8.09
	3	8 929	7 178	5 211	58 813	56 019	43 171	6.59	7.80	8.28
	Total	21 554	18 830	14 488	153 361	174 327	125 398	7.12	9.26	8.68
Alberta										
Ducks	1	10 631	11 431	7 897	89 154	111 370	66 240	8.39	9.74	8.39
	2	16 861	16 643	10 854	184 451	193 955	116 905	10.94	11.65	10.77
	Total	27 492	28 075	18 752	273 605	305 326	183 146	9.95	10.88	9.77
Geese	1	8 621	8 798	7 503	55 332	63 559	52 108	6.42	7.22	6.94
	2	9 984	10 388	9 034	65 185	81 068	78 893	6.53	7.80	8.73
	Total	18 606	19 186	16 537	120 517	144 628	131 002	6.48	7.54	7.92
British Columbia										
Ducks	1	4 118	3 739	3 398	44 066	54 314	40 901	10.70	14.53	12.04
	2	5 075	4 885	4 241	80 314	78 671	74 639	15.83	16.10	17.60
	Total	9 193	8 624	7 639	124 380	132 986	115 541	13.53	15.42	15.12
Geese	1	1 736	2 285	1 830	7 302	8 925	8 912	4.21	3.91	4.87
	2	2 019	1 936	1 864	8 686	9 077	9 361	4.30	4.69	5.02
	Total	3 755	4 222	3 695	15 989	18 002	18 273	4.26	4.26	4.95
Northwest Territories										
Ducks	Total	374	390	388	5 409	4 429	5 132	14.46	11.35	13.22
Geese	Total	77	163	308	432	914	2 334	5.60	5.60	7.56
Yukon										
Ducks	Total	275	203	135	2 865	1 517	1 327	10.38	7.47	9.81
Geese	Total	125	116	62	420	358	196	3.36	3.07	3.16
Canada										
Ducks	Total	231 165	215 028	178 079	2 421 538	2 339 945	1 910 741	10.48	10.88	10.73
Geese	Total	115 004	109 683	90 219	624 294	739 179	600 917	5.43	6.74	6.66

Table 6
Recreational activity provided by the hunting of ducks and geese, 1988

Province	Zone	Permit sales	Active hunters	Successful hunters	Birds harvested	Recreation days	S. bag[a] (avg.)	D. bag[b] (avg.)	R. days[c] (avg.)
Nfld.	1	21 354	13 033	8 805	74 028	163 589	5.7	0.5	12.6
	2	2 301	1 786	1 282	19 007	20 719	10.6	0.9	11.6
	Total	23 655	14 819	10 087	93 035	184 308	6.3	0.5	12.4
PEI	Total	4 906	4 435	4 013	58 832	58 123	13.3	1.0	13.1
NS	1	7 238	4 410	3 790	60 492	54 495	13.7	1.1	12.4
	2	3 026	3 231	2 723	34 084	27 622	10.5	1.2	8.5
	Total	10 264	7 641	6 513	94 576	82 117	12.4	1.2	10.7
NB	1	7 244	5 582	4 882	47 635	35 890	8.5	1.3	6.4
	2	3 402	2 625	2 205	20 532	23 199	7.8	0.9	8.8
	Total	10 646	8 207	7 087	68 167	59 089	8.3	1.2	7.2
Que.	1	44 793	33 046	29 322	418 299	311 813	12.7	1.3	9.4
	2	12 413	8 299	7 487	93 455	83 975	11.3	1.1	10.1
	Total	57 206	41 345	36 809	511 754	395 788	12.4	1.3	9.6
Ont.	1	33 556	19 489	15 397	186 261	156 672	9.6	1.2	8.0
	2	63 401	48 381	40 374	409 673	354 736	8.5	1.2	7.3
	3	20 353	14 555	12 318	147 130	108 780	10.1	1.4	7.5
	Total	117 310	82 425	68 089	743 064	620 188	9.0	1.2	7.5
Man.	1	20 534	15 030	13 690	177 681	108 203	11.8	1.6	7.2
	2	4 574	5 775	5 342	77 378	37 586	13.4	2.1	6.5
	Total	25 108	20 805	19 032	255 059	145 789	12.3	1.7	7.0
Sask.	1	8 997	7 506	6 986	88 098	44 970	11.7	2.0	6.0
	2	4 928	4 511	4 245	66 234	31 021	14.7	2.1	6.9
	3	9 333	7 234	6 212	75 842	49 088	10.5	1.5	6.8
	Total	23 258	19 251	17 443	230 174	125 079	12.0	1.8	6.5
Alta.	1	13 824	11 520	10 224	118 349	69 767	10.3	1.7	6.1
	2	20 689	14 691	13 444	195 799	97 527	13.3	2.0	6.6
	Total	34 513	26 211	23 668	314 148	167 294	12.0	1.9	6.4
BC	1	6 139	4 267	3 810	49 813	30 206	11.7	1.6	7.1
	2	9 456	4 982	4 356	84 001	53 156	16.9	1.6	10.7
	Total	15 595	9 249	8 166	133 814	83 362	14.5	1.6	9.0
NWT	Total	496	525	478	7 467	4 679	14.2	1.6	8.9
Yukon	Total	367	189	156	1 557	848	8.2	1.8	4.5
Canada	Total	323 324	235 102	201 541	2 511 647	1 926 664	10.7	1.3	8.2

[a] S. bag = mean seasonal bag per active hunter.
[b] D. bag = mean daily bag per active hunter.
[c] R. days = mean recreation days per active hunter.

Table 7
Estimated number of migratory game birds harvested in Canada other than waterfowl, 1983–88

Species	1983	1984	1985	1986	1987	1988	1983–88 avg.
American Woodcock	103 883	99 744	90 374	104 602	131 393	115 806	107 634
Common Snipe	66 871	75 452	54 971	55 169	54 765	36 652	57 313
American Coot	20 381	27 362	21 183	15 297	10 923	11 515	17 777
Sandhill Crane	3 098	3 717	5 159	6 106	5 268	6 946	5 049
Mourning Dove	959	993	455	529	1 165	294	733
Band-tailed Pigeon	3 830	3 074	1 561	1 291	1 851	1 778	2 231
Total	199 022	210 342	173 703	182 994	205 365	172 991	190 736

Table 8
Estimated number of successful hunters of American Woodcock and birds harvested by province and zone, 1986–88

		Successful hunters			Birds harvested			Birds harvested/ successful hunter		
Province	Zone	1986	1987	1988	1986	1987	1988	1986	1987	1988
PEI	Total	45	64	100	2 210	64	112	49.0	1.0	1.1
NS	1	353	382	315	2 713	3 058	2 888	7.7	8.0	9.2
	2	164	200	147	1 206	1 057	385	7.3	5.3	2.6
	Total	517	582	462	3 919	4 116	3 274	7.6	7.1	7.1
NB	1	497	649	659	5 047	3 823	5 808	10.1	5.9	8.8
	2	200	446	417	1 171	7 427	2 391	5.8	16.6	5.7
	Total	698	1 096	1 076	6 219	11 250	8 199	8.9	10.3	7.6
Que.	1	4 540	5 272	4 207	29 175	37 227	40 710	6.4	7.1	9.7
	2	853	965	596	4 819	8 638	3 256	5.6	9.0	5.5
	Total	5 394	6 237	4 803	33 995	45 866	43 967	6.3	7.4	9.1
Ont.	1	3 296	3 655	2 180	28 853	25 428	26 517	8.8	7.0	12.2
	2	4 662	6 090	5 074	22 440	37 320	30 290	4.8	6.1	6.0
	3	1 074	1 084	875	6 916	6 941	3 443	6.4	6.4	3.9
	Total	9 033	10 830	8 130	58 210	69 691	60 251	6.4	6.4	7.4
Canada	Total	15 715	18 875	14 573	104 602	131 393	115 806	6.7	7.0	7.9
Number of successful hunters sampled		576	597	629						

Table 9
Estimated number of successful hunters of Common Snipe and birds harvested by province and zone, 1986–88

Province	Zone	Successful hunters			Birds harvested			Birds harvested/ successful hunter		
		1986	1987	1988	1986	1987	1988	1986	1987	1988
Nfld.	1	2 068	1 460	1 292	10 761	7 453	5 917	5.2	5.1	4.6
	2	180	148	40	727	583	70	4.0	3.9	1.8
	Total	2 248	1 609	1 332	11 488	8 037	5 987	5.1	5.0	4.5
PEI	Total	153	18	59	3 255	74	568	21.3	4.0	9.5
NS	1	180	160	176	638	509	726	3.5	3.2	4.1
	2	174	106	188	1 087	800	593	6.2	7.5	3.2
	Total	354	267	365	1 725	1 309	1 320	4.9	4.9	3.6
NB	1	134	109	249	292	473	1 302	2.2	4.3	5.2
	2	19	149	72	19	2 230	414	1.0	15.0	5.7
	Total	154	258	322	312	2 703	1 716	2.0	10.5	5.3
Que.	1	3 573	3 789	2 921	19 987	20 461	12 366	5.6	5.4	4.2
	2	658	739	640	3 580	5 083	3 380	5.4	6.9	5.3
	Total	4 232	4 528	3 561	23 567	25 544	15 747	5.6	5.6	4.4
Ont.	1	561	484	310	1 456	1 449	1 439	2.6	3.0	4.6
	2	1 307	1 484	1 217	3 734	5 272	3 757	2.9	3.6	3.1
	3	504	410	227	2 048	1 036	1 214	4.0	2.5	5.3
	Total	2 373	2 378	1 756	7 239	7 758	6 411	3.0	3.3	3.7
Man.	1	241	292	138	888	1 273	907	3.7	4.4	6.6
	2	125	24	64	375	72	481	3.0	3.0	7.4
	Total	366	316	203	1 263	1 346	1 389	3.4	4.2	6.8
Sask.	1	138	91	22	276	1 386	136	2.0	15.1	6.0
	2	26	81	30	26	198	125	1.0	2.4	4.1
	3	119	178	23	354	883	235	3.0	5.0	10.0
	Total	284	351	76	657	2 468	497	2.3	7.0	6.5
Alta.	1	189	251	133	850	1 861	1 164	4.5	7.4	8.7
	2	388	315	171	2 673	1 976	681	6.9	6.3	4.0
	Total	577	566	305	3 524	3 837	1 845	6.1	6.8	6.0
BC	1	105	77	81	179	306	362	1.7	4.0	4.4
	2	216	184	151	1 955	1 372	802	9.0	7.4	5.3
	Total	321	261	233	2 134	1 679	1 164	6.6	6.4	5.0
NWT	Total	—	—	—	—	—	—	—	—	—
Yukon	Total	—	5	4	—	5	4	—	1.0	1.0
Canada	Total	11 067	10 563	8 220	55 169	54 765	36 652	5.0	5.2	4.5
Number of successful hunters sampled		429	392	372						

Table 10
Estimated number of successful hunters of American Coot and birds harvested by province and zone, 1986–88

Province	Zone	Successful hunters			Birds harvested			Birds harvested/ successful hunter		
		1986	1987	1988	1986	1987	1988	1986	1987	1988
Que.	1	1 739	1 437	1 269	4 975	3 673	5 593	2.9	2.6	4.4
	2	140	125	129	662	321	270	4.7	2.6	2.1
	Total	1 879	1 563	1 399	5 638	3 995	5 863	3.0	2.6	4.2
Ont.	1	465	401	104	1 052	1 274	426	2.3	3.2	4.1
	2	645	587	557	2 455	926	1 243	3.8	1.6	2.2
	3	292	188	313	942	323	1 125	3.2	1.7	3.6
	Total	1 403	1 176	976	4 450	2 524	2 794	3.2	2.2	2.9
Man.	1	270	124	72	674	421	145	2.5	3.4	2.0
	2	59	54	91	241	102	458	4.1	1.9	5.0
	Total	329	178	164	916	524	604	2.8	2.9	3.7
Sask.	1	225	135	38	1 043	709	76	4.6	5.2	2.0
	2	113	93	146	279	312	692	2.5	3.3	4.7
	3	202	76	74	1 049	126	162	5.2	1.7	2.2
	Total	541	306	259	2 372	1 148	931	4.4	3.7	3.6
Alta.	1	178	140	70	269	389	188	1.5	2.8	2.7
	2	193	236	49	694	1 162	253	3.6	4.9	5.1
	Total	72	376	120	964	1 552	441	2.6	4.1	3.7
BC	1	92	123	98	365	494	792	3.9	4.0	8.1
	2	122	118	24	524	684	87	4.3	5.8	3.5
	Total	214	241	123	890	1 179	879	4.1	4.9	7.2
NWT	Total	—	—	—	—	—	—	—	—	—
Yukon	Total	6	—	—	65	—	—	10.0	—	—
Canada	Total	4 748	3 844	3 043	15 297	10 923	11 515	3.2	2.8	3.8
Number of successful hunters sampled		187	136	154						

Table 11
Estimated number of successful hunters of Sandhill Crane and birds harvested by province and zone, 1986–88

Province	Zone	Successful hunters			Birds harvested			Birds harvested/ successful hunter		
		1986	1987	1988	1986	1987	1988	1986	1987	1988
Man.	1	—	257	376	—	496	1 340	—	1.9	3.6
	2	—	155	194	—	299	614	—	1.9	3.2
	Total	470	413	570	1 651	795	1 955	3.5	1.9	3.4
Sask.	1	—	169	221	—	392	1 215	—	2.3	5.5
	2	—	162	43	—	836	147	—	5.2	3.4
	3	—	795	697	—	3 242	3 628	—	4.1	5.2
	Total	1 469	1 127	962	4 455	4 472	4 991	4.5	4.0	5.2
Canada	Total	1 939	1 540	1 533	6 106	5 268	6 946	4.2	3.4	4.5
Number of successful hunters sampled		49	52	72						

Table 12
Estimated number of successful hunters of Mourning Dove and birds harvested by province and zone, 1986–88

Province	Zone	Successful hunters			Birds harvested			Birds harvested/ successful hunter		
		1986	1987	1988	1986	1987	1988	1986	1987	1988
BC	1	32	19	27	379	99	256	11.8	5.0	9.5
	2	47	39	12	150	1 066	37	3.2	27.1	3.0
	Total	79	59	39	529	1 165	294	6.7	19.7	7.4
Number of successful hunters sampled		5	3	3						

Table 13
Estimated number of successful hunters of Band-tailed Pigeon and birds harvested by province and zone, 1986–88

Province	Zone	Successful hunters			Birds harvested			Birds harvested/ successful hunter		
		1986	1987	1988	1986	1987	1988	1986	1987	1988
BC	1	—	35	—	—	458	—	—	13.0	—
	2	185	201	185	1 291	1 393	1 778	7.0	6.9	9.6
	Total	185	236	185	1 291	1 851	1 778	7.0	7.8	9.6
Number of successful hunters sampled		12	13	14						

Table 14
Estimated recreational activity provided by the hunting of migratory game birds other than waterfowl, 1988

Province	Zone	Permit sales	Active hunters	Successful hunters	Birds harvested	Recreation days	S. bag[a] (avg.)	D. bag[b] (avg.)	R. da[c] (avg.)
Nfld.	1	21 354	2 731	1 292	5 917	27 350	2.2	0.2	10.0
	2	2 301	286	40	70	2 187	0.2	—	7.6
	Total	23 655	3 017	1 332	5 987	29 537	2.0	0.2	9.8
PEI	Total	4 906	460	159	680	2 967	1.5	0.2	6.5
NS	1	7 238	1 352	420	3 615	12 548	2.7	0.3	9.3
	2	3 026	545	292	979	2 898	1.8	0.3	5.3
	Total	10 264	1 897	712	4 594	15 446	2.4	0.3	8.1
NB	1	7 244	1 019	758	7 110	6 960	7.0	1.0	6.8
	2	3 402	686	437	2 806	6 024	4.1	0.5	8.8
	Total	10 646	1 705	1 195	9 916	12 984	5.8	0.8	7.6
Que.	1	44 793	8 694	6 644	58 670	61 056	6.7	1.0	7.0
	2	12 413	1 651	1 101	6 907	10 855	4.2	0.6	6.6
	Total	57 206	10 345	7 745	65 577	71 911	6.3	0.9	7.0
Ont.	1	33 556	3 881	2 500	28 383	28 636	7.3	1.0	7.4
	2	63 401	10 086	5 913	35 290	47 640	3.5	0.7	4.7
	3	20 353	2 001	1 260	5 783	10 495	2.9	0.6	5.2
	Total	17 310	15 968	9 673	69 456	86 771	4.3	0.8	5.4
Man.	1	20 534	1 404	563	2 394	4 713	1.7	0.5	3.4
	2	4 574	551	314	1 554	1 636	2.8	0.9	3.0
	Total	25 108	1 955	877	3 948	6 349	2.0	0.6	3.2
Sask.	1	8 997	835	282	1 428	3 852	1.7	0.4	4.6
	2	4 928	519	190	964	3 224	1.9	0.3	6.2
	3	9 333	1 110	771	4 027	3 971	3.6	1.0	3.6
	Total	23 258	2 464	1 243	6 419	11 047	2.6	0.6	4.5
Alta.	1	13 824	627	177	1 352	3 374	2.2	0.4	5.4
	2	20 689	1 020	191	934	5 112	0.9	0.2	5.0
	Total	34 513	1 647	368	2 286	8 486	1.4	0.3	5.2
BC	1	6 139	463	207	1 412	2 381	3.0	0.6	5.1
	2	9 456	620	311	2 705	2 959	4.4	0.9	4.8
	Total	15 595	1 083	518	4 117	5 340	3.8	0.8	4.9
NWT	Total	496	59	—	—	464	—	—	7.9
Yukon	Total	367	12	4	4	46	0.3	0.1	3.8
Canada	Total	323 324	40 612	23 826	172 984	251 348	4.3	0.7	6.2

[a] S. bag = mean seasonal bag per active hunter.
[b] D. bag = mean daily bag per active hunter.
[c] R. days = mean recreation days per active hunter.

Table 15
Precision of estimates of 90% confidence of active hunters, duck kill, and goose kill from the NHS by province and zone, 1987–88

Province	Zone	Year	Active hunters (± %)	Duck harvest (± %)	Goose harvest (± %)
Nfld.	1	1987	12 540 ± 6.82	54 062 ± 13.56	6 553 ± 23.50
		1988	11 368 ± 6.61	62 033 ± 14.80	5 494 ± 38.92
	2	1987	1 683 ± 15.21	19 582 ± 28.82	5 800 ± 49.66
		1988	1 553 ± 15.68	14 758 ± 25.45	3 106 ± 36.78
PEI	1	1987	4 231 ± 10.20	27 705 ± 22.94	20 145 ± 27.48
		1988	4 173 ± 8.81	32 348 ± 22.66	23 444 ± 26.43
NS	1	1987	4 838 ± 8.26	57 429 ± 15.52	8 951 ± 27.60
		1988	3 878 ± 7.74	46 017 ± 14.27	5 727 ± 35.91
	2	1987	2 639 ± 14.01	20 032 ± 23.65	1 942 ± 49.63
		1988	3 117 ± 10.78	30 201 ± 29.72	3 213 ± 33.64
NB	1	1987	5 220 ± 9.53	40 684 ± 18.96	1 650 ± 44.71
		1988	5 198 ± 9.25	44 481 ± 16.46	1 060 ± 60.33
	2	1987	2 573 ± 15.20	18 553 ± 27.13	3 148 ± 50.92
		1988	2 407 ± 15.59	11 803 ± 24.31	1 932 ± 49.60
Que.	1	1987	32 661 ± 3.82	349 807 ± 9.29	73 552 ± 15.43
		1988	28 514 ± 3.77	317 611 ± 8.47	43 985 ± 13.95
	2	1987	9 928 ± 7.23	88 151 ± 12.32	15 250 ± 29.48
		1988	7 281 ± 7.49	69 657 ± 12.24	12 045 ± 32.12
Ont.	1	1987	22 206 ± 5.16	206 656 ± 10.33	38 207 ± 14.49
		1988	17 960 ± 5.13	141 727 ± 10.93	26 186 ± 15.17
	2	1987	56 150 ± 2.92	427 195 ± 6.48	35 627 ± 16.15
		1988	45 315 ± 2.95	356 548 ± 6.95	28 106 ± 15.50
	3	1987	15 185 ± 5.67	112 867 ± 10.81	19 421 ± 19.39
		1988	13 516 ± 5.08	115 924 ± 9.67	22 130 ± 15.12
Man.	1	1987	19 766 ± 4.48	139 456 ± 10.52	119 882 ± 9.17
		1988	13 684 ± 4.91	73 053 ± 12.03	91 046 ± 9.29
	2	1987	6 577 ± 8.45	64 443 ± 18.72	28 299 ± 18.76
		1988	5 525 ± 7.57	44 720 ± 10.33	29 574 ± 14.07
Sask.	1	1987	9 966 ± 7.61	64 196 ± 13.95	79 586 ± 12.48
		1988	6 996 ± 7.88	27 476 ± 15.6	54 602 ± 12.9
	2	1987	5 252 ± 11.03	58 696 ± 17.34	28 806 ± 19.63
		1988	4 223 ± 9.06	40 468 ± 15.78	23 133 ± 16.74
	3	1987	10 553 ± 7.60	73 743 ± 12.40	53 485 ± 13.76
		1988	6 839 ± 7.44	30 478 ± 12.42	40 786 ± 14.56
Alta.	1	1987	14 296 ± 4.32	106 164 ± 13.18	58 407 ± 10.59
		1988	11 080 ± 4.55	64 746 ± 9.50	50 460 ± 9.56
	2	1987	19 393 ± 4.53	186 396 ± 10.65	73 192 ± 11.54
		1988	13 956 ± 4.79	113 126 ± 9.64	75 545 ± 10.92
BC	1	1987	5 287 ± 9.56	49 528 ± 41.50	8 540 ± 24.95
		1988	4 148 ± 10.12	38 799 ± 17.59	8 610 ± 22.42
	2	1987	5 379 ± 7.58	73 250 ± 16.19	8 677 ± 24.81
		1988	4 466 ± 7.36	68 696 ± 14.64	7 969 ± 23.36
NWT	1	1987	448 ± 23.60	4 210 ± 54.26	913 ± 71.31
		1988	500 ± 21.15	5 108 ± 36.77	2 247 ± 49.82
Yukon	1	1987	263 ± 25.87	1 410 ± 48.74	305 ± 55.85
		1988	181 ± 28.43	1 319 ± 38.30	209 ± 64.21
Canada total		1987	362 035 ± 2.41	2 244 216 ± 3.03	698 559 ± 3.98
		1988	215 881 ± 1.32	1 751 095 ± 2.91	560 608 ± 3.74

Table 16
Characteristics of sample of the SCS by province and zone, 1988

		Characteristics of sample					
Province	Zone	Permit sales	Sample	Response rate[a]	Estimated response rate from successful hunters[b]	Net coverage of hunting population[c]	Parts of birds received
Nfld.	1	21 354	961	0.052	0.19	0.0038	163
	2	2 301	443	0.014	0.04	0.0034	18
PEI		4 906	984	0.089	0.15	0.0198	454
NS	1	7 238	1 870	0.108	0.21	0.0458	881
	2	3 026	908	0.129	0.25	0.0362	867
NB	1	7 244	681	0.125	0.20	0.0152	587
	2	3 402	844	0.068	0.14	0.0217	286
Que.	1	44 793	1 843	0.182	0.33	0.0101	2 489
	2	12 413	1 157	0.120	0.29	0.0167	868
Ont.	1	33 556	1 716	0.139	0.29	0.0123	1 288
	2	63 401	2 197	0.146	0.33	0.0066	2 359
	3	20 353	2 212	0.089	0.19	0.0135	1 021
Man.	1	20 534	835	0.228	0.35	0.0126	1 056
	2	4 574	228	0.180	0.25	0.0071	265
Sask.	1	8 997	419	0.153	0.27	0.0085	624
	2	4 928	283	0.933	1.51	0.0585	309
	3	9 333	363	1.017	1.63	0.0510	435
Alta.	1	13 824	798	0.160	0.32	0.0111	968
	2	20 689	758	0.133	0.27	0.0068	750
BC	1	6 139	1 539	0.075	0.18	0.0272	732
	2	9 456	1 250	0.162	0.38	0.0405	1 665
NWT		496	119	0.017	0.03	0.0038	7
Yukon		367	65	0.046	0.15	0.0159	25
Canada total		323 324	22 473	0.136	0.27	0.0118	18 117

[a] Response rate = number of hunters who submitted a part sample.
[b] Estimated response rate from successful hunters = response rate/(% of successful hunters × % of active hunters).
[c] Net coverage of hunting population = number of responses/estimated active hunters.

Table 17
Total waterfowl harvest in Canada by species, 1985–88

Species	1985		1986		1987		1988	
	Harvest	%	Harvest	%	Harvest	%	Harvest	%
Common Merganser	26 185	1.0	30 713	1.3	21 650	0.9	25 710	1.3
Red-breasted Merganser	20 127	0.8	19 427	0.8	8 106	0.3	8 362	0.4
Hooded Merganser	28 326	1.1	27 699	1.1	25 033	1.1	24 926	1.3
Mallard	908 358	36.3	879 217	36.3	1 040 370	44.5	661 465	33.6
American Black Duck	300 330	12.0	293 929	12.1	297 036	12.7	302 649	15.4
Gadwall	53 350	2.1	52 830	2.2	39 211	1.7	24 255	1.2
European Wigeon	573	0.0	528	0.0	0	0.0	0	0.0
American Wigeon	72 073	2.9	77 015	3.2	63 060	2.7	46 394	2.4
Green-winged Teal	191 967	7.7	173 456	7.2	134 778	5.8	148 546	7.6
Blue-winged Teal	58 943	2.4	74 827	3.1	48 154	2.1	44 125	2.2
Northern Shoveler	27 577	1.1	38 543	1.6	20 900	0.9	19 481	1.0
Northern Pintail	92 331	3.7	60 517	2.5	70 433	3.0	64 439	3.3
Wood Duck	141 630	5.7	122 857	5.1	146 584	6.3	131 965	6.7
Redhead	27 507	1.1	42 551	1.8	23 510	1.0	73 359	3.7
Canvasback	18 434	0.7	29 408	1.2	11 040	0.5	8 797	0.4
Greater Scaup	51 919	2.1	53 434	2.2	24 337	1.0	31 272	1.6
Lesser Scaup	114 955	4.6	102 446	4.2	73 792	3.2	71 886	3.7
Ring-necked Duck	149 642	6.0	135 642	5.6	103 931	4.4	97 917	4.9
Common Goldeneye	85 016	3.4	80 560	3.3	71 201	3.0	80 431	4.1
Barrow's Goldeneye	1 747	0.1	3 093	0.1	2 202	0.1	24 014	1.2
Bufflehead	44 032	1.8	42 308	1.7	38 430	1.6	15 522	0.8
Ruddy Duck	4 570	0.2	9 168	0.4	1 313	0.1	636	0.0
Oldsquaw	11 988	0.5	16 014	0.7	11 382	0.5	9 048	0.5
Common Eider	26 799	1.1	28 317	1.2	23 041	1.0	19 906	1.0
King Eider	347	0.0	1 001	0.0	1 093	0.0	64	0.0
Harlequin Duck	0	0.0	2 521	0.1	1 197	0.1	1 193	0.0
Black Scoter	12 815	0.5	8 841	0.4	12 474	0.5	5 471	0.3
White-winged Scoter	16 804	0.7	5 114	0.2	12 202	0.5	12 675	0.6
Surf Scoter	14 276	0.6	9 553	0.4	13 480	0.6	11 759	0.6
Total ducks	2 502 621	78.2	2 421 529	79.5	2 339 940	100.0	1 966 267	100.0
Canada Goose	163 957	23.5	189 808	30.4	211 361	28.6	189 947	31.7
Small Canada Goose	82 946	11.9	58 530	9.4	78 587	10.6	53 542	8.9
Large Canada Goose	210 114	30.1	207 704	33.3	242 125	32.8	154 859	25.9
Lesser Snow Goose (white phase)	101 963	14.6	57 235	9.2	61 392	8.3	74 127	12.4
Lesser Snow Goose (blue phase)	54 396	7.8	37 169	6.0	46 578	6.3	38 011	6.4
Greater Snow Goose	24 996	3.6	9 992	1.6	37 586	5.1	42 949	7.2
Ross' Goose	7 382	1.1	3 370	0.5	5 484	0.7	4 640	0.8
White-fronted Goose	51 601	7.4	59 021	9.5	53 774	7.3	40 072	6.7
Brant	910	0.1	1 360	0.2	1 078	0.1	319	0.0
Total geese	698 265	21.8	624 279	20.5	739 237	100.0	598 466	100.0
Total waterfowl	3 200 886	100.0	3 045 808	100.0	3 079 177	—	2 564 733	—

Table 18
Estimated number of waterfowl harvested in Newfoundland, 1985–88

Species	Zone	1985		1986		1987		1988	
		Harvest	%[a]	Harvest	%[a]	Harvest	%[a]	Harvest	%[a]
Common Merganser	1	4 626	7.0	7 192	8.9	3 940	10.1	6 703	9.5[b]
	2	2 667	11.5	2 050	9.8	0	0.0	4 354	27.5
	Total	7 293	8.2	9 242	9.1	3 940	6.7	11 057	13.2
Red-breasted Merganser	1	3 331	5.1	3 221	4.0	2 581	6.6	1 433	2.1
	2	3 242	14.0	3 448	16.5	142	0.7	975	6.2
	Total	6 573	7.4	6 669	6.5	2 723	4.6	2 408	2.9
Hooded Merganser	1	0	0.0	0	0.0	0	0.0	0	0.0
	2	1 029	4.4	321	1.5	569	2.8	0	0.0
	Total	1 029	1.2	321	0.3	569	1.0	0	0.0
Mallard	1	0	0.0	2 161	2.7	1 130	2.9	0	0.0
	2	391	1.7	324	1.6	0	0.0	0	0.0
	Total	391	0.4	2 485	2.4	1 130	1.9	0	0.0
American Black Duck	1	23 341	35.5	19 968	24.6	12 819	32.9	14 989	22.0
	2	5 537	23.9	6 615	31.7	3 988	19.7	4 914	31.0
	Total	28 878	32.5	26 583	26.1	16 807	28.4	19 903	23.7
American Wigeon	1	0	0.0	294	0.4	0	0.0	0	0.0
	2	210	0.9	0	0.0	0	0.0	0	0.0
	Total	210	0.2	294	0.3	0	0.0	0	0.0
Green-winged Teal	1	13 394	20.4	10 259	12.6	4 969	12.8	6 465	9.5
	2	4 778	20.6	2 382	11.4	1 296	6.4	0	0.0
	Total	18 172	20.5	12 641	12.4	6 265	10.6	6 465	7.7
Blue-winged Teal	1	848	1.3	345	0.4	98	0.3	0	0.0
	2	210	0.9	0	0.0	0	0.0	0	0.0
	Total	1 058	1.2	345	0.3	98	0.2	0	0.0
Northern Pintail	1	879	1.3	528	0.7	0	0.0	2 245	3.3
	2	711	3.1	217	1.0	1 137	5.6	0	0.0
	Total	1 590	1.8	745	0.7	1 137	1.9	2 245	2.7
Canvasback	1	0	0.0	0	0.0	0	0.0	0	0.0
	2	0	0.0	324	1.6	0	0.0	0	0.0
	Total	0	0.0	324	0.3	0	0.0	0	0.0
Greater Scaup	1	2 529	3.8	4 911	6.1	833	2.1	906	1.3
	2	233	1.0	217	1.0	0	0.0	0	0.0
	Total	2 762	3.1	5 128	5.0	833	1.4	906	1.1
Lesser Scaup	1	391	0.6	737	0.9	263	0.7	0	0.0
	2	601	2.6	769	3.7	0	0.0	0	0.0
	Total	992	1.1	1 506	1.5	263	0.4	0	0.0
Ring-necked Duck	1	9 318	14.2	12 354	15.2	4 968	12.7	5 527	8.1
	2	0	0.0	2 548	12.2	0	0.0	0	0.0
	Total	9 318	10.5	14 902	14.6	4 968	8.4	5 527	6.6

(continued)

Table 18 *(concluded)*
Estimated number of waterfowl harvested in Newfoundland, 1985–88

Species	Zone	1985		1986		1987		1988	
		Harvest	%[a]	Harvest	%[a]	Harvest	%[a]	Harvest	%[a]
Common Goldeneye	1	7 042	10.7	19 185	23.6	5 208	13.4	12 050	17.7
	2	3 533	15.3	1 639	7.9	1 397	6.9	3 318	21.0
	Total	10 575	11.9	20 824	20.4	6 605	11.2	15 368	18.3
Total sport ducks		88 841	80.5	102 009	82.0	45 338	76.5	63 879	76.2
Oldsquaw	1	0	0.0	0	0.0	0	0.0	2 992	4.4
	2	0	0.0	0	0.0	0	0.0	0	0.0
	Total	0	0.0	0	0.0	0	0.0	2 992	3.6
Common Eider	1	4 633	4.2	17 670	14.2	2 063	5.3	11 388	16.7
	2	13 361	12.1	0	0.0	9 388	46.3	2 260	14.3
	Total	17 994	16.3	17 670	14.2	11 451	19.3	13 648	16.3
King Eider	1	0	0.0	767	0.6	0	0.0	0	0.0
	2	38	0.0	0	0.0	786	3.9	0	0.0
	Total	38	0.0	767	0.6	786	1.3	0	0.0
Black Scoter	1	283	0.3	230	0.2	0	0.0	153	0.2
	2	559	0.5	541	0.4	852	4.2	0	0.0
	Total	842	0.8	771	0.6	852	1.4	153	1.4
White-winged Scoter	1	1 383	1.3	0	0.0	0	0.0	2 167	3.2
	2	0	0.0	324	0.3	0	0.0	0	0.0
	Total	1 383	1.3	324	0.3	0	0.0	2 167	2.6
Surf Scoter	1	261	0.2	1 459	1.2	98	0.3	1 005	1.5
	2	936	0.8	1 339	1.1	709	3.5	0	0.0
	Total	1 197	1.1	2 798	2.3	807	1.4	1 005	1.2
Total sea ducks		21 454	19.5	22 330	18.0	13 896	23.5	19 965	23.8
Total ducks		110 295	90.7	124 339	88.0	59 234	100.0	83 844	100.0
Canada Goose	1	7 388	100.0	11 105	99.1	5 290	100.0	6 004	100.0
	2	3 927	100.0	5 776	100.0	5 633	100.0	3 185	100.0
	Total	11 315	100.0	16 881	99.4	10 923	100.0	9 189	100.0
Brant	1	0	0.0	102	0.9	0	0.0	0	0.0
	2	0	0.0	0	0.0	0	0.0	0	0.0
	Total	0	0.0	102	0.6	0	0.0	0	0.0
Total geese		11 315	9.3	16 983	12.0	10 923	100.0	9 189	100.0
Total waterfowl		121 610	100.0	141 322	100.0	70 157	—	93 033	—

[a] The percentages in Tables 18 through 29 are not comparable between years because they were calculated in different ways.
[b] In 1988 zonal percentages were calculated as (species / total ducks or total geese in zone) × 100; total percentages were calculated as (species / total ducks or total geese in province) × 100.

Table 19
Estimated number of waterfowl harvested in Prince Edward Island, 1985–88

Species	1985		1986		1987		1988	
	Harvest	%[a]	Harvest	%[a]	Harvest	%[a]	Harvest	%[a]
Common Merganser	0	0.0	54	0.2	0	0.0	0	0.0
Red-breasted Merganser	233	0.8	0	0.0	0	0.0	97	0.3
Hooded Merganser	0	0.0	54	0.2	0	0.0	80	0.2
Mallard	1 282	4.3	688	2.3	1 070	3.7	954	2.8
American Black Duck	18 692	62.5	18 690	63.6	17 629	61.4	20 893	60.9
Gadwall	124	0.4	0	0.0	0	0.0	160	0.5
American Wigeon	0	0.0	484	1.6	668	2.3	190	0.6
Green-winged Teal	7 091	23.7	6 101	20.8	5 386	18.8	7 156	20.8
Blue-winged Teal	635	2.1	593	2.0	484	1.7	931	2.7
Northern Shoveler	0	0.0	0	0.0	138	0.5	80	0.2
Northern Pintail	986	3.3	598	2.0	1 803	6.3	1 277	3.7
Greater Scaup	232	0.8	418	1.4	0	0.0	0	0.0
Lesser Scaup	0	0.0	0	0.0	911	3.2	93	0.3
Ring-necked Duck	412	1.4	360	1.2	614	2.1	1 500	4.4
Common Goldeneye	241	0.8	604	2.1	0	0.0	613	1.8
Barrow's Goldeneye	0	0.0	728	2.5	0	0.0	0	0.0
Bufflehead	0	0.0	0	0.0	0	0.0	307	0.9
Total sport ducks	29 928	96.3	29 372	99.4	28 703	100.0	34 331	100.0
Common Eider	0	0.0	108	0.4	0	0.0	0	0.0
Oldsquaw	995	3.2	0	0.0	0	0.0	0	0.0
Black Scoter	155	0.5	0	0.0	0	0.0	0	0.0
White-winged Scoter	0	0.0	0	0.0	0	0.0	0	0.0
Surf Scoter	0	0.0	82	0.3	0	0.0	0	0.0
Total sea ducks	1 150	3.7	190	0.6	0	0.0	0	0.0
Total ducks	31 078	66.9	29 562	57.6	28 703	100.0	34 331	100.0
Canada Goose	15 343	100.0	21 784	100.0	21 236	100.0	24 500	100.0
Total geese	15 343	33.1	21 784	42.4	21 236	100.0	24 500	100.0
Total waterfowl	46 421	100.0	51 346	100.0	49 939	—	58 831	—

[a] The percentages in Tables 18 through 29 are not comparable between years because they were calculated in different ways.

Table 20
Estimated number of waterfowl harvested in Nova Scotia, 1985–88

Species	Zone	1985		1986		1987		1988	
		Harvest	%[a]	Harvest	%[a]	Harvest	%[a]	Harvest	%[a]
Common Merganser	1	1 377	2.4	435	0.8	913	1.5	529	1.0[b]
	2	243	1.0	896	2.9	228	0.9	612	2.0
	Total	1 620	2.0	1 331	1.6	1 141	1.3	1 141	1.2
Red-breasted Merganser	1	2 722	4.8	2 984	5.6	905	1.5	1 333	2.5
	2	464	1.9	125	0.4	330	1.3	240	0.8
	Total	3 186	3.9	3 109	3.7	1 235	1.4	1 573	1.6
Hooded Merganser	1	260	0.5	362	0.7	191	0.3	156	0.3
	2	0	0.0	146	0.5	35	0.1	95	0.3
	Total	260	0.3	508	0.6	226	0.3	251	0.3
Mallard	1	1 706	3.0	2 190	4.1	2 569	4.3	1 320	2.5
	2	1 520	6.3	1 005	3.3	1 588	6.1	1 087	3.5
	Total	3 226	4.0	3 195	3.8	4 157	4.8	2 407	2.5
American Black Duck	1	30 468	53.9	28 881	54.5	28 768	47.8	24 743	45.9
	2	13 515	55.7	17 116	56.3	14 807	57.2	19 917	64.5
	Total	43 983	54.5	45 997	55.2	43 575	50.6	44 660	46.5
Gadwall	1	0	0.0	0	0.0	0	0.0	151	0.3
	2	0	0.0	30	0.1	0	0.0	0	0.0
	Total	0	0.0	30	0.0	0	0.0	151	0.2
American Wigeon	1	0	0.0	178	0.3	0	0.0	35	0.1
	2	510	2.1	222	0.7	681	2.6	104	0.3
	Total	510	0.6	400	0.5	681	0.8	139	0.1
Green-winged Teal	1	9 151	16.2	6 587	12.4	4 331	7.2	4 092	7.6
	2	4 159	17.2	6 572	21.6	4 793	18.5	4 910	15.9
	Total	13 310	16.5	13 159	15.8	9 124	10.6	9 002	9.4
Blue-winged Teal	1	498	0.9	696	1.3	502	0.8	69	0.1
	2	601	2.5	911	3.0	632	2.4	346	1.1
	Total	1 099	1.4	1 607	1.9	1 134	1.3	415	0.4
Northern Shoveler	1	0	0.0	0	0.0	110	0.2	0	0.0
	2	0	0.0	30	0.1	0	0.0	0	0.0
	Total	0	0.0	30	0.0	110	0.1	0	0.0
Northern Pintail	1	846	1.5	530	1.0	491	0.8	130	0.2
	2	565	2.3	274	0.9	124	0.5	335	1.1
	Total	1 411	1.7	804	1.0	615	0.7	465	0.5
Wood Duck	1	162	0.3	183	0.3	350	0.6	357	0.7
	2	115	0.5	146	0.5	708	2.7	208	0.7
	Total	277	0.3	329	0.4	1 058	1.2	565	0.6
Redhead	1	0	0.0	102	0.2	0	0.0	107	0.2
	2	0	0.0	0	0.0	35	0.1	0	0.0
	Total	0	0.0	102	0.1	35	0.0	107	0.1
Canvasback	1	0	0.0	458	0.9	0	0.0	0	0.0
	2	0	0.0	0	0.0	0	0.0	0	0.0
	Total	0	0.0	458	0.5	0	0.0	0	0.0
Greater Scaup	1	695	1.2	2 111	4.0	584	1.0	2 271	4.2
	2	106	0.4	322	1.1	124	0.5	747	2.4
	Total	801	1.0	2 433	2.9	708	0.8	3 018	3.2
Lesser Scaup	1	377	0.7	434	0.8	651	1.1	787	1.5
	2	26	0.1	30	0.1	253	0.8	253	0.8
	Total	377	0.5	460	0.6	681	1.1	1 040	1.1

(continued)

Table 20 *(concluded)*
Estimated number of waterfowl harvested in Nova Scotia, 1985–88

Species	Zone	1985 Harvest	1985 %[a]	1986 Harvest	1986 %[a]	1987 Harvest	1987 %[a]	1988 Harvest	1988 %[a]
Ring-necked Duck	1	3 724	6.6	2 548	4.8	1 229	2.0	1 798	3.3
	2	333	1.4	1 295	4.3	872	3.4	911	3.0
	Total	4 057	5.0	3 843	4.6	2 101	2.4	2 709	2.8
Common Goldeneye	1	2 163	3.8	3 347	6.3	3 116	5.2	3 013	5.6
	2	778	3.2	1 257	4.1	545	2.1	822	2.7
	Total	2 941	3.6	4 604	5.5	3 661	4.3	3 835	4.0
Barrow's Goldeneye	1	0	0.0	0	0.0	0	0.0	0	0.0
	2	0	0.0	0	0.0	15	0.1	0	0.0
	Total	0	0.0	0	0.0	15	0.0	0	0.0
Bufflehead	1	2 015	3.6	971	1.8	587	1.0	1 974	3.7
	2	1 307	5.4	26	0.1	76	0.3	209	0.7
	Total	3 322	4.1	997	1.2	663	0.8	2 183	2.3
Ruddy Duck	1	0	0.0	0	0.0	98	0.2	0	0.0
	2	0	0.0	0	0.0	0	0.0	0	0.0
	Total	0	0.0	0	0.0	98	0.1	0	0.0
Total sport ducks		80 741	87.5	83 396	83.6	71 018	82.5	84 809	88.4
Oldsquaw	1	1 979	2.1	3 243	3.3	3 312	5.5	2 314	4.3
	2	306	0.3	181	0.2	164	0.6	0	0.0
	Total	2 285	2.5	3 424	3.4	3 476	4.0	2 314	2.4
Common Eider	1	3 630	3.9	6 534	6.6	5 635	9.4	4 047	7.5
	2	91	0.1	298	0.3	0	0.0	0	0.0
	Total	3 721	4.0	6 832	6.8	5 635	6.5	4 047	4.2
King Eider	1	0	0.0	0	0.0	99	0.2	0	0.0
	2	0	0.0	0	0.0	0	0.0	0	0.0
	Total	0	0.0	0	0.0	99	0.1	0	0.0
Harlequin Duck	1	0	0.0	159	0.2	46	0.1	35	0.1
	2	0	0.0	0	0.0	0	0.0	0	0.0
	Total	0	0.0	159	0.2	46	0.1	35	0.0
Black Scoter	1	1 060	1.1	3 258	3.3	1 439	2.4	624	1.2
	2	38	0.0	0	0.0	0	0.0	0	0.0
	Total	1 098	1.2	3 258	3.3	1 439	1.7	624	0.7
White-winged Scoter	1	752	0.8	307	0.3	1 087	1.8	1 771	3.3
	2	63	0.1	0	0.0	33	0.1	0	0.0
	Total	813	0.9	307	0.3	1 120	1.3	1 771	1.9
Surf Scoter	1	3 354	3.6	2 378	2.4	3 214	5.3	2 296	4.3
	2	286	0.3	0	0.0	47	0.2	63	0.2
	Total	3 640	3.9	2 378	2.4	3 261	3.8	2 359	2.5
Total sea ducks		11 559	12.5	16 358	16.4	15 076	17.5	11 150	11.6
Total ducks		92 300	93.0	99 754	91.2	86 094	100.0	95 959	100.0
Canada Goose	1	5 291	100.0	6 516	100.0	9 522	100.0	6 542	100.0
	2	1 598	100.0	3 062	100.0	1 910	100.0	3 224	100.0
	Total	6 889	100.0	9 578	100.0	11 432	100.0	9 766	100.0
Total geese		6 960	7.0	9 578	8.8	11 432	100.0	9 766	100.0
Total waterfowl		99 260	100.0	109 332	100.0	97 526	—	105 725	—

[a] The percentages in Tables 18 through 29 are not comparable between years because they were calculated in different ways.
[b] In 1988 zonal percentages were calculated as (species / total ducks or total geese in zone) × 100; total percentages were calculated as (species / total ducks or total geese in province) × 100.

Table 21
Estimated number of waterfowl harvested in New Brunswick, 1985–88

Species	Zone	1985		1986		1987		1988	
		Harvest	%[a]	Harvest	%[a]	Harvest	%[a]	Harvest	%[a]
Common Merganser	1	238	0.5	714	1.4	823	2.0	346	0.7[b]
	2	334	1.5	222	2.1	577	3.1	281	1.6
	Total	572	0.8	1 136	1.6	1 400	2.3	627	1.0
Red-breasted Merganser	1	248	0.5	393	0.8	104	0.3	0	0.0
	2	156	0.7	0	0.0	144	0.8	190	1.1
	Total	404	0.6	393	0.6	248	0.4	190	0.3
Hooded Merganser	1	495	1.1	789	1.6	202	0.5	661	1.4
	2	125	0.6	117	0.6	718	3.9	300	1.8
	Total	620	0.9	906	1.3	920	1.5	961	1.5
Mallard	1	2 242	4.8	1 239	2.5	2 125	5.1	1 476	3.2
	2	1 038	4.6	1 284	6.4	1 082	5.8	122	0.7
	Total	3 280	4.8	2 523	3.6	3 207	5.4	1 598	2.5
American Black Duck	1	19 818	42.7	17 042	34.2	16 574	40.0	19 149	41.2
	2	13 017	58.3	10 626	52.7	10 125	54.6	11 937	69.8
	Total	32 835	47.8	27 668	39.5	26 699	44.6	31 086	48.9
Gadwall	1	0	0.0	0	0.0	0	0.0	0	0.0
	2	0	0.0	0	0.0	72	0.4	0	0.0
	Total	0	0.0	0	0.0	72	0.1	0	0.0
American Wigeon	1	687	1.5	1 988	4.0	1 757	4.2	1 406	3.0
	2	311	1.4	817	4.0	561	3.0	148	0.9
	Total	998	1.5	2 805	4.0	2 318	3.9	1 554	2.4
Green-winged Teal	1	9 401	20.3	8 025	16.1	4 903	11.8	6 966	14.9
	2	3 840	17.2	1 915	9.5	2 189	11.8	904	5.3
	Total	13 241	19.3	9 940	14.2	7 092	11.8	7 870	12.4
Blue-winged Teal	1	3 602	7.8	4 442	8.9	2 587	6.3	1 819	3.9
	2	621	2.8	581	2.9	144	0.8	579	3.4
	Total	4 223	6.1	5 023	7.2	2 731	4.6	2 398	3.8
Northern Shoveler	1	48	0.1	245	0.5	0	0.0	277	0.6
	2	0	0.0	45	0.2	144	0.8	0	0.0
	Total	48	0.1	290	0.4	144	0.2	277	0.4
Northern Pintail	1	1 006	2.2	521	1.0	695	1.7	416	0.9
	2	841	3.8	1 216	6.0	388	2.1	367	2.1
	Total	1 847	2.7	1 737	2.5	1 083	1.8	783	1.2
Wood Duck	1	1 482	3.2	2 362	4.7	3 177	7.7	3 394	7.3
	2	512	2.3	45	0.2	504	2.7	414	2.4
	Total	1 994	2.9	2 407	3.4	3 681	6.1	3 808	5.9
Redhead	1	0	0.0	0	0.0	49	0.1	0	0.0
	2	0	0.0	0	0.0	0	0.0	0	0.0
	Total	0	0.0	0	0.0	49	0.1	0	0.0
Greater Scaup	1	230	0.5	747	1.5	1 131	2.7	230	0.5
	2	0	0.0	759	3.8	253	1.4	129	0.8
	Total	230	0.3	1 506	2.1	1 384	2.3	359	0.6
Lesser Scaup	1	856	1.8	738	1.5	349	0.8	277	0.6
	2	0	0.0	896	4.4	0	0.0	122	0.7
	Total	856	1.2	1 634	2.3	349	0.6	399	0.6
Ring-necked Duck	1	3 099	6.7	6 270	12.6	4 059	9.8	5 153	11.1
	2	1 112	5.0	697	3.5	388	2.1	538	3.2
	Total	4 211	6.1	6 967	9.9	4 447	7.4	5 691	8.9

(continued)

Table 21 *(concluded)*
Estimated number of waterfowl harvested in New Brunswick, 1985–88

Species	Zone	1985		1986		1987		1988	
		Harvest	%[a]	Harvest	%[a]	Harvest	%[a]	Harvest	%[a]
Common Goldeneye	1	1 964	4.2	3 891	7.8	1 689	4.1	3 918	8.4
	2	167	0.7	462	2.3	505	2.7	151	0.9
	Total	2 131	3.1	4 353	6.2	2 194	3.7	4 069	6.4
Barrow's Goldeneye	1	124	0.3	0	0.0	46	0.1	552	1.2
	2	253	1.1	102	0.5	0	0.0	309	1.8
	Total	377	0.5	102	0.1	46	0.1	861	1.4
Bufflehead	1	818	1.8	469	0.9	453	1.1	0	0.0
	2	0	0.0	190	0.9	0	0.0	43	0.3
	Total	818	1.2	659	0.9	453	0.8	43	0.0
Ruddy Duck	1	0	0.0	0	0.0	0	0.0	0	0.0
	2	0	0.0	0	0.0	0	0.0	0	0.0
	Total	0	0.0	0	0.0	0	0.0	0	0.0
Total sport ducks		68 685	98.7	70 049	98.7	58 517	97.6	62 574	98.3
Oldsquaw	1	372	0.5	0	0.0	0	0.0	0	0.0
	2	0	0.0	0	0.0	0	0.0	28	0.2
	Total	372	0.5	0	0.0	0	0.0	28	0.0
Common Eider	1	248	0.4	500	0.7	248	0.6	417	0.9
	2	0	0.0	102	0.1	0	0.0	43	0.3
	Total	248	0.4	602	0.8	248	0.4	460	0.7
King Eider	1	0	0.0	51	0.1	0	0.0	0	0.0
	2	0	0.0	0	0.0	0	0.0	0	0.0
	Total	0	0.0	51	0.1	0	0.0	0	0.0
Harlequin Duck	1	0	0.0	0	0.0	68	0.2	0	0.0
	2	0	0.0	0	0.0	0	0.0	0	0.0
	Total	0	0.0	0	0.0	68	0.1	0	0.0
Black Scoter	1	0	0.0	0	0.0	228	0.6	0	0.0
	2	0	0.0	0	0.0	614	3.3	322	1.9
	Total	0	0.0	0	0.0	842	1.4	322	0.5
White-winged Scoter	1	107	0.2	51	0.1	0	0.0	69	0.2
	2	0	0.0	0	0.0	59	0.3	0	0.0
	Total	107	0.2	51	0.1	59	0.1	69	0.1
Surf Scoter	1	165	0.2	200	0.3	124	0.3	184	1.1
	2	0	0.0	0	0.0	72	0.4	0	0.0
	Total	165	0.2	200	0.3	196	0.3	184	0.3
Total sea ducks		892	1.3	904	1.3	1 413	2.4	1 063	1.7
Total ducks		69 577	94.2	70 953	92.8	59 930	100.0	63 637	100.0
Canada Goose	1	1 093	100.0	2 123	94.0	1 761	100.0	1 109	100.0
	2	3 204	100.0	3 211	100.0	3 128	100.0	3 419	100.0
	Total	4 297	100.0	5 334	97.5	4 889	100.0	4 528	100.0
Large Canada Goose	1	0	0.0	75	3.3	0	0.0	0	0.0
	2	0	0.0	0	0.0	0	0.0	0	0.0
	Total	0	0.0	75	3.3	0	0.0	0	0.0
Greater Snow Goose	1	0	0.0	60	2.7	0	0.0	0	0.0
	2	0	0.0	0	0.0	0	0.0	0	0.0
	Total	0	0.0	60	2.7	0	0.0	0	0.0
Total geese		4 297	5.8	5 469	7.2	4 889	100.0	4 528	100.0
Total waterfowl		73 874	100.0	76 422	100.0	64 819	—	68 165	—

[a] The percentages in Tables 18 through 29 are not comparable between years because they were calculated in different ways.
[b] In 1988 zonal percentages were calculated as (species / total ducks or total geese in zone) × 100; total percentages were calculated as (species / total ducks or total geese in province) × 100.

Table 22
Estimated number of waterfowl harvested in Quebec, 1985–88

Species	Zone	1985		1986		1987		1988	
		Harvest	%[a]	Harvest	%[a]	Harvest	%[a]	Harvest	%[a]
Common Merganser	1	7 142	1.9	7 697	2.3	6 933	1.8	5 109	1.4[b]
	2	5 084	5.8	3 734	4.6	4 046	4.4	2 295	2.9
	Total	12 226	2.6	11 431	2.7	10 979	2.3	7 404	1.7
Red-breasted Merganser	1	5 497	1.5	4 952	1.5	2 139	0.6	1 984	0.5
	2	910	1.0	1 968	2.4	939	1.0	916	1.1
	Total	6 407	1.4	6 920	1.7	3 078	0.7	2 900	0.7
Hooded Merganser	1	9 681	2.6	6 599	2.0	7 219	1.9	5 168	1.4
	2	1 575	1.8	895	1.1	1 760	1.9	708	0.9
	Total	11 256	2.4	7 494	1.8	8 979	1.9	5 876	1.3
Mallard	1	85 435	22.8	76 154	22.6	103 059	27.4	73 243	20.0
	2	11 722	13.4	8 291	10.1	13 734	14.99	9 052	11.3
	Total	97 157	21.0	84 445	20.2	116 793	24.9	82 295	18.4
American Black Duck	24.8	76 823	20.5	82 118	24.4	96 399	25.6	91 936	25.1
	2	33 718	38.5	32 585	39.9	33 521	36.3	34 189	42.6
	Total	110 541	23.9	114 703	27.4	129 920	27.7	126 125	28.2
Gadwall	1	8 952	2.4	5 168	1.5	4 700	1.2	4 688	1.3
	2	181	0.2	82	0.1	65	0.1	115	0.1
	Total	9 133	2.0	5 250	1.3	4 765	1.0	4 803	1.1
American Wigeon	1	4 656	1.2	6 433	1.9	4 069	1.1	2 365	0.7
	2	1 097	1.3	496	0.6	1 153	1.2	693	0.9
	Total	5 753	1.2	6 929	1.7	5 222	1.1	3 058	0.7
Green-winged Teal	1	48 851	13.0	41 928	12.4	32 844	8.7	43 402	11.8
	2	11 692	13.4	13 201	16.1	7 375	8.0	8 961	11.2
	Total	60 543	13.1	55 129	13.2	40 219	8.6	52 363	11.7
Blue-winged Teal	1	7 964	2.1	8 265	2.5	6 624	1.8	4 688	1.3
	2	1 531	1.7	1 183	1.4	1 373	1.5	1 178	1.5
	Total	9 495	2.1	9 448	2.3	7 997	1.7	5 866	1.3
Northern Shoveler	1	3 237	0.9	2 230	0.7	2 000	0.5	2 016	0.6
	2	220	0.3	131	0.2	0	0.0	781	1.0
	Total	3 457	0.7	2 361	0.6	2 000	0.4	2 797	0.6
Northern Pintail	1	14 322	3.8	9 779	2.9	10 243	2.7	11 021	3.0
	2	2 197	2.5	3 233	4.0	1 678	1.8	1 622	2.0
	Total	16 519	3.6	13 012	3.1	11 921	2.5	12 643	2.8
Wood Duck	1	21 892	5.8	14 217	4.2	21 377	5.7	25 297	6.9
	2	1 706	1.9	977	1.2	1 443	1.6	1 238	1.5
	Total	23 598	5.1	15 194	3.6	22 820	4.9	26 535	5.9
Redhead	1	2 501	0.7	1 630	0.5	1 609	0.4	1 157	0.3
	2	0	0.0	40	0.0	80	0.1	0	0.0
	Total	2 501	0.5	1 670	0.4	1 689	0.4	1 157	0.3
Canvasback	1	983	0.3	1 010	0.3	530	0.1	535	0.2
	2	0	0.0	102	0.1	0	0.0	0	0.0
	Total	983	0.2	1 112	0.3	530	0.1	535	0.1
Greater Scaup	1	17 398	4.6	10 776	3.2	6 489	1.7	13 001	3.6
	2	258	0.3	951	1.2	694	0.8	765	1.0
	Total	17 656	3.8	11 727	2.8	7 183	1.5	13 766	3.1
Lesser Scaup	1	19 955	5.3	17 605	5.2	9 339	2.5	18 597	5.1
	2	4 843	5.5	5 862	7.2	2 852	3.1	3 918	4.9
	Total	24 798	5.4	23 467	5.6	12 191	2.6	22 515	5.0

(continued)

Table 22 *(continued)*
Estimated number of waterfowl harvested in Quebec, 1985–88

Species	Zone	1985		1986		1987		1988	
		Harvest	%[a]	Harvest	%[a]	Harvest	%[a]	Harvest	%[a]
Ring-necked Duck	1	15 988	4.3	24 752	7.3	18 795	5.0	27 104	7.4
	2	7 108	8.1	3 761	4.6	4 857	5.3	3 180	4.0
	Total	23 096	5.0	28 513	6.8	23 652	5.0	30 284	6.8
Common Goldeneye	1	20 191	5.4	12 452	3.7	17 775	4.7	15 389	4.2
	2	3 138	3.6	3 606	4.4	2 836	3.1	2 275	2.8
	Total	23 329	5.0	16 058	3.8	20 611	4.4	17 664	4.0
Barrow's Goldeneye	1	0	0.0	511	0.2	0	0.0	0	0.0
	2	376	0.4	541	0.7	413	0.4	97	0.1
	Total	376	0.1	1 052	0.3	413	0.1	97	0.0
Bufflehead	1	3 555	0.9	2 078	0.6	4 302	1.1	5 118	1.4
	2	178	0.2	105	0.1	634	0.7	525	0.7
	Total	3 733	0.8	2 183	0.5	4 936	1.1	5 643	1.3
Ruddy Duck	1	476	0.1	708	0.2	0	0.0	0	0.0
	2	0	0.0	0	0.0	0	0.0	0	0.0
	Total	476	0.1	708	0.2	0	0.0	0	0.0
Total sport ducks		463 033	93.6	418 806	96.5	435 898	93.0	425 326	95.2
Oldsquaw	1	4 715	1.0	4 122	0.9	2 210	0.6	870	0.2
	2	1 690	0.3	1 400	0.3	3 437	3.7	1 455	1.8
	Total	6 405	1.3	5 522	1.3	5 647	1.2	1 325	0.3
Common Eider	1	778	0.2	189	0.0	849	0.2	0	0.0
	2	3 949	0.8	2 845	0.7	4 502	4.9	1 751	2.1
	Total	4 727	1.0	3 034	0.7	5 351	1.1	1 751	0.4
King Eider	1	309	0.1	149	0.0	208	0.1	0	0.0
	2	0	0.0	0	0.0	0	0.0	64	0.1
	Total	309	0.1	149	0.0	208	0.0	64	0.0
Harlequin Duck	1	0	0.0	0	0.0	248	0.1	0	0.0
	2	0	0.0	176	0.0	193	0.2	0	0.0
	Total	0	0.0	176	0.0	441	0.1	0	0.0
Black Scoter	1	5 794	1.2	1 759	0.4	6 757	1.8	3 120	0.9
	2	606	0.1	301	0.1	678	0.7	482	0.6
	Total	6 400	1.3	2 060	0.5	7 435	1.6	3 602	0.8
White-winged Scoter	1	7 073	1.4	2 290	0.5	5 596	1.5	5 875	1.6
	2	577	0.1	126	0.0	1 569	1.7	1 405	1.8
	Total	7 650	1.5	2 416	0.6	7 165	1.5	7 280	1.6
Surf Scoter	1	3 368	0.7	1 037	0.2	4 269	1.1	5 041	1.4
	2	3 039	0.6	945	0.2	2 467	2.7	2 524	3.2
	Total	6 407	1.3	1 982	0.5	6 736	1.4	7 565	1.7
Total sea ducks		31 898	6.4	5 339	3.5	32 983	7.0	21 587	4.8
Total ducks		494 931	90.0	434 145	89.6	468 881	100.0	446 913	100.0
Canada Goose	1	18 868	43.2	28 632	73.5	45 282	70.5	7 990	15.5
	2	10 334	91.8	10 945	97.5	15 125	92.6	10 557	79.6
	Total	29 202	53.1	39 577	78.9	60 407	60.1	18 547	28.6
Lesser Snow Goose (white phase)	1	220	0.5	0	0.0	1 039	1.6	3 346	6.5
	2	115	1.0	0	0.0	67	0.4	24	0.2
	Total	335	0.6	0	0.0	1 106	1.1	3 370	5.2

(continued)

Table 22 *(concluded)*
Estimated number of waterfowl harvested in Quebec, 1985–88

Species	Zone	1985		1986		1987		1988	
		Harvest	%[a]	Harvest	%[a]	Harvest	%[a]	Harvest	%[a]
Lesser Snow Goose	1	0	0.0	0	0.0	366	0.5	58	0.1
(blue phase)	2	100	0.9	0	0.0	0	0.0	0	0.0
	Total	100	0.2	0	0.0	366	0.4	58	0.1
Greater Snow Goose	1	24 284	55.6	9 748	25.0	36 726	57.2	40 180	77.9
	2	712	6.3	184	1.6	859	5.3	2 684	20.2
	Total	24 996	45.5	9 932	19.8	37 586	37.4	42 864	66.1
White-fronted Goose	1	0	0.0	0	0.0	0	0.0	0	0.0
	2	0	0.0	96	0.9	0	0.0	0	0.0
	Total	0	0.0	96	0.9	0	0.0	0	0.0
Brant	1	312	0.7	566	1.5	801	1.2	0	0.0
	2	0	0.0	0	0.0	277	1.7	0	0.0
	Total	312	0.6	566	1.1	1 078	1.1	0	0.0
Total geese		54 945	10.0	50 171	10.4	100 543	100.0	64 839	100.0
Total waterfowl		549 876	100.0	484 316	100.0	569 424	—	511 752	—

[a] The percentages in Tables 18 through 29 are not comparable between years because they were calculated in different ways.
[b] In 1988 zonal percentages were calculated as (species / total ducks or total geese in zone) × 100; total percentages were calculated as (species / total ducks or total geese in province) × 100.

Table 23
Estimated number of waterfowl harvested in Ontario, 1985–88

Species	Zone	1985 Harvest	1985 %[a]	1986 Harvest	1986 %[a]	1987 Harvest	1987 %[a]	1988 Harvest	1988 %[a]
Common Merganser	1	405	0.2	195	0.1	0	0.0	409	0.3[b]
	2	2 340	0.5	4 958	1.2	2 205	0.5	4 439	1.2
	3	1 510	0.9	1 547	1.0	924	0.8	185	0.1
	Total	4 255	0.5	6 700	0.8	3 129	0.4	5 033	0.8
Red-breasted Merganser	1	963	0.4	173	0.1	656	0.3	504	0.3
	2	2 060	0.5	1 841	0.4	166	0.0	548	0.1
	3	301	0.2	285	0.2	0	0.0	115	0.1
	Total	3 324	0.4	2 299	0.3	822	0.1	1 167	0.2
Hooded Merganser	1	1 809	0.7	726	0.3	487	0.2	363	0.2
	2	10 549	2.4	11 080	2.7	10 073	2.3	13 456	3.5
	3	2 282	1.3	5 055	3.2	2 999	2.5	3 362	2.7
	Total	14 640	1.7	16 861	2.1	13 559	1.8	17 181	2.6
Mallard	1	96 209	39.6	89 956	37.7	112 828	53.1	76 453	48.6
	2	146 069	32.7	130 272	31.6	167 331	38.1	116 431	30.6
	3	48 185	27.7	45 143	29.0	38 922	32.4	40 809	33.0
	Total	290 463	33.7	265 371	32.9	319 081	41.3	233 693	35.3
American Black Duck	1	13 799	5.7	12 608	5.3	19 549	9.2	11 959	7.6
	2	31 132	7.0	29 162	7.1	26 762	6.1	29 142	7.7
	3	19 817	11.4	17 870	11.5	16 095	13.4	18 661	15.1
	Total	64 748	7.5	59 640	7.4	62 406	8.1	59 762	9.0
Gadwall	1	2 393	1.0	1 565	0.7	655	0.3	894	0.6
	2	2 260	0.5	1 802	0.4	994	0.2	1 352	0.4
	3	286	0.2	249	0.2	78	0.1	188	0.1
	Total	4 939	0.6	3 616	0.4	1 727	0.2	2 434	0.4
American Wigeon	1	4 484	1.8	7 619	3.2	4 457	2.1	2 883	1.8
	2	7 968	1.8	4 [illegible]78	1.0	4 459	1.0	4 311	1.1
	3	3 551	2.0	2 878	1.8	1 984	1.7	1 830	1.5
	Total	16 003	1.9	14 575	1.8	10 900	1.4	9 024	1.4
Green-winged Teal	1	12 631	5.2	12 185	5.1	8 843	4.2	8 898	5.7
	2	24 068	5.4	20 496	5.0	17 357	3.9	17 312	4.6
	3	5 088	2.9	7 083	4.5	5 900	4.9	10 365	8.4
	Total	41 787	4.8	39 764	4.9	32 100	4.2	36 575	5.5
Blue-winged Teal	1	3 861	1.6	6 520	2.7	2 814	1.3	648	0.4
	2	15 063	3.4	21 385	5.2	14 783	3.4	12 826	3.4
	3	3 763	2.2	4 120	2.6	3 334	2.8	4 702	3.8
	Total	22 687	2.6	32 025	4.0	20 931	2.7	18 176	2.7
Northern Shoveler	1	498	0.2	907	0.4	207	0.1	1 095	0.7
	2	1 475	0.3	893	0.2	559	0.1	956	0.3
	3	268	0.2	97	0.1	422	0.4	338	0.3
	Total	2 238	0.3	1 897	0.2	1 188	0.2	2 389	0.4
Northern Pintail	1	3 470	1.4	3 788	1.6	3 485	1.6	3 557	2.3
	2	8 310	1.9	3 124	0.8	2 004	0.5	2 697	0.7
	3	3 556	2.0	2 426	1.6	775	0.6	1 784	1.4
	Total	15 336	1.8	9 338	1.2	6 264	0.8	8 038	1.2
Wood Duck	1	22 859	9.4	22 134	9.3	17 151	8.1	20 495	13.0
	2	80 622	18.1	70 116	17.0	92 843	21.1	70 043	18.4
	3	10 682	6.1	10 980	7.1	7 846	6.5	9 157	7.4
	Total	114 163	13.2	103 230	12.8	117 840	15.3	99 695	15.1

(continued)

Table 23 *(continued)*
Estimated number of waterfowl harvested in Ontario, 1985–88

Species	Zone	1985 Harvest	1985 %[a]	1986 Harvest	1986 %[a]	1987 Harvest	1987 %[a]	1988 Harvest	1988 %[a]
Redhead	1	7 320	3.0	11 872	5.0	5 365	2.5	2 508	1.6
	2	4 204	0.9	8 476	2.1	4 200	1.0	2 020	0.5
	3	1 127	0.6	1 972	1.3	839	0.7	0	0.0
	Total	12 651	1.5	22 320	2.8	10 404	1.3	4 528	0.7
Canvasback	1	4 906	2.0	10 783	4.5	4 066	1.9	2 127	1.4
	2	2 752	0.6	2 808	0.7	2 128	0.5	88	0.2
	3	881	0.5	748	0.5	117	0.1	0	0.0
	Total	8 539	1.0	14 339	1.8	6 311	0.8	2 215	0.3
Greater Scaup	1	12 628	5.2	12 887	5.4	3 944	1.9	6 634	4.2
	2	13 641	3.1	14 712	3.6	8 437	1.9	5 427	1.4
	3	2 687	1.5	2 122	1.4	531	0.4	948	0.8
	Total	28 956	3.4	29 721	3.7	12 912	1.7	13 009	2.0
Lesser Scaup	1	17 529	7.2	15 246	6.4	6 141	2.9	8 343	5.3
	2	28 781	6.4	24 612	6.0	20 159	4.6	15 473	4.1
	3	15 038	8.7	8 206	5.3	8 850	7.4	7 875	6.4
	Total	61 348	7.1	48 064	6.0	35 150	4.6	31 691	4.8
Ring-necked Duck	1	8 841	3.6	8 025	3.4	4 621	2.2	1 545	1.0
	2	30 664	6.9	30 273	7.3	28 435	6.5	34 926	9.2
	3	43 537	25.1	27 946	17.9	20 407	17.0	12 143	9.8
	Total	83 042	9.6	66 244	8.2	53 463	6.9	48 614	7.4
Common Goldeneye	1	8 311	3.4	3 533	1.5	3 058	1.4	2 091	1.3
	2	24 637	5.5	17 692	4.3	20 319	4.6	27 234	7.2
	3	7 532	4.3	9 945	6.4	5 772	4.8	7 856	6.4
	Total	40 479	4.7	31 170	3.9	29 149	3.8	37 181	5.6
Barrow's Goldeneye	1	0	0.0	0	0.0	0	0.0	0	0.0
	2	0	0.0	0	0.0	209	0.0	0	0.0
	3	0	0.0	0	0.0	0	0.0	0	0.0
	Total	0	0.0	0	0.0	209	0.0	0	0.0
Bufflehead	1	19 079	7.9	13 582	5.7	12 329	5.8	5 247	3.3
	2	9 100	2.0	12 005	2.9	9 590	2.2	16 783	4.4
	3	3 529	2.0	7 031	4.5	3 436	2.9	2 358	1.9
	Total	31 708	3.7	32 618	4.0	25 355	3.3	24 388	3.7
Ruddy Duck	1	1 044	0.4	4 443	1.9	207	0.1	347	0.2
	2	662	0.1	2 745	0.7	0	0.0	0	0.0
	3	100	0.1	0	0.0	0	0.0	0	0.0
	Total	1 806	0.2	7 188	0.9	207	0.0	347	0.0
Total sport ducks		863 112	99.0	806 980	98.2	763 107	98.8	655 144	99.1
Oldsquaw	1	0	0.0	320	0.0	384	0.2	0	0.0
	2	1 436	0.2	6 499	0.8	1 875	0.4	2 139	0.6
	3	363	0.0	249	0.0	0	0.0	115	0.1
	Total	1 799	0.2	7 068	0.9	2 259	0.3	2 254	0.3
Harlequin Duck	1	0	0.0	637	0.1	0	0.0	0	0.0
	2	0	0.0	454	0.1	0	0.0	739	0.2
	3	0	0.0	499	0.1	536	0.4	419	0.3
	Total	0	0.0	1 590	0.2	536	0.1	1 158	0.2
Common Eider	1	0	0.0	0	0.0	0	0.0	0	0.0
	2	109	0.0	0	0.0	0	0.0	0	0.0
	3	0	0.0	71	0.0	0	0.0	0	0.0
	Total	109	0.0	71	0.0	0	0.0	0	0.0

(continued)

Table 23 *(concluded)*
Estimated number of waterfowl harvested in Ontario, 1985–88

Species	Zone	1985 Harvest	1985 %[a]	1986 Harvest	1986 %[a]	1987 Harvest	1987 %[a]	1988 Harvest	1988 %[a]
Black Scoter	1	1 202	0.1	1 659	0.1	103	0.0	113	0.1
	2	1 887	0.2	1 498	0.2	619	0.1	602	0.2
	3	421	0.0	553	0.1	110	0.1	0	0.0
	Total	3 510	0.4	2 710	0.3	832	0.1	715	0.1
White-winged Scoter	1	392	0.0	311	0.0	682	0.3	226	0.1
	2	1 707	0.2	905	0.1	2 516	0.6	938	0.3
	3	301	0.0	249	0.0	453	0.4	224	0.2
	Total	2 400	0.3	1 465	0.2	3 651	0.5	1 388	0.2
Surf Scoter	1	0	0.0	475	0.1	550	0.3	0	0.0
	2	514	0.1	1 024	0.1	1 156	0.3	343	0.1
	3	100	0.0	401	0.0	333	0.3	303	0.2
	Total	614	0.1	1 900	0.2	2 039	0.3	646	0.1
Total sea ducks		8 432	1.0	14 804	1.8	9 317	1.2	6 161	0.9
Total ducks		871 544	91.5	821 784	90.2	772 424	100.0	661 305	100.0
Canada Goose	1	27 130	100.0	35 012	99.3	39 018	100.0	28 573	98.8
	2	31 651	98.1	32 014	97.9	35 922	97.3	29 283	99.5
	3	19 327	90.5	19 273	90.3	16 995	80.5	21 544	92.1
	Total	78 108	96.8	86 299	96.6	91 935	94.7	79 400	97.1
Lesser Snow Goose (white phase)	1	0	0.0	0	0.0	0	0.0	79	0.3
	2	0	0.0	48	0.1	688	1.9	0	0.0
	3	1 318	6.2	1 050	4.9	4 110	19.5	1 116	4.8
	Total	1 318	1.6	1 098	1.2	4 798	4.9	1 195	1.5
Lesser Snow Goose (blue phase)	1	0	0.0	203	0.6	0	0.0	95	0.3
	2	0	0.0	0	0.0	321	0.9	96	0.3
	3	702	3.3	1 015	4.8	0	0.0	653	2.8
	Total	702	0.9	1 218	1.4	321	0.3	844	1.0
Brant	1	0	0.0	59	0.2	0	0.0	174	0.6
	2	598	1.9	633	1.9	0	0.0	66	0.2
	3	0	0.0	0	0.0	0	0.0	79	0.3
	Total	598	0.7	692	0.8	0	0.0	319	0.4
Total geese		80 726	8.5	89 307	9.8	97 054	100.0	81 760	100.0
Total waterfowl		952 270	100.0	911 091	100.0	869 478	—	743 065	—

[a] The percentages in Tables 18 through 29 are not comparable between years because they were calculated in different ways.
[b] In 1988 zonal percentages were calculated as (species / total ducks or total geese in zone) × 100; total percentages were calculated as (species / total ducks or total geese in province) × 100.

Table 24
Estimated number of waterfowl harvested in Manitoba, 1985–88

Species	Zone	1985		1986		1987		1988	
		Harvest	%[a]	Harvest	%[a]	Harvest	%[a]	Harvest	%[a]
Common Merganser	1	0	0.0	0	0.0	86	0.1	0	0.0[b]
	2	0	0.0	0	0.0	703	1.0	0	0.0
	Total	0	0.0	0	0.0	789	0.4	0	0.0
Hooded Merganser	1	0	0.0	752	0.5	198	0.1	0	0.0
	2	0	0.0	255	0.5	0	0.0	144	0.3
	Total	0	0.0	1 007	0.5	198	0.1	144	0.1
Mallard	1	50 432	42.3	86 693	56.2	90 036	61.6	36 695	46.3
	2	34 023	62.0	26 844	50.3	46 922	70.0	23 121	49.5
	Total	84 455	48.5	113 537	54.6	136 958	64.2	59 816	47.5
American Black Duck	1	474	0.4	373	0.2	0	0.0	0	0.0
	2	0	0.0	0	0.0	0	0.0	0	0.0
	Total	474	0.3	373	0.2	0	0.0	0	0.0
Gadwall	1	6 745	5.7	4 328	2.8	6 391	4.4	2 299	2.9
	2	506	0.9	3 362	6.3	0	0.0	432	0.9
	Total	7 251	4.2	7 690	3.7	6 391	3.0	2 731	2.2
American Wigeon	1	4 205	3.5	5 568	3.6	6 106	4.2	3 614	4.6
	2	1 370	2.5	3 710	6.9	2 295	3.4	989	2.1
	Total	5 575	3.2	9 278	4.5	8 401	3.9	4 603	3.7
Green-winged Teal	1	5 068	4.3	7 366	4.8	6 923	4.7	8 153	10.3
	2	2 303	4.2	1 257	2.4	2 919	4.4	2 593	5.6
	Total	7 371	4.2	8 623	4.1	9 842	4.6	10 746	8.5
Blue-winged Teal	1	3 328	2.8	8 775	5.7	3 285	2.2	9 802	12.4
	2	654	1.2	1 126	2.1	1 865	2.8	1 609	3.4
	Total	3 982	2.3	9 901	4.8	5 150	2.4	11 411	9.1
Northern Shoveler	1	1 746	1.5	7 875	5.1	2 931	2.0	4 721	6.0
	2	896	1.6	967	1.8	0	0.0	2 017	4.3
	Total	2 642	1.5	8 842	4.3	2 931	1.4	6 738	5.4
Northern Pintail	1	6 770	5.7	4 748	3.1	3 027	2.1	6 202	7.8
	2	4 154	7.6	1 904	3.6	2 376	3.5	7 797	16.7
	Total	10 924	6.3	6 652	3.2	5 403	2.5	13 999	11.1
Wood Duck	1	670	0.6	95	0.1	633	0.4	0	0.0
	2	0	0.0	602	1.1	270	0.4	241	0.5
	Total	670	0.4	697	0.3	903	0.4	241	0.2
Redhead	1	2 677	2.2	6 105	4.0	4 497	3.1	893	1.1
	2	896	1.6	1 348	2.5	351	0.5	507	1.1
	Total	3 573	2.1	7 453	3.6	4 848	2.3	1 400	1.1
Canvasback	1	2 181	1.8	3 045	2.0	1 434	1.0	724	0.9
	2	1 074	2.0	0	0.0	892	1.3	2 630	5.6
	Total	3 255	1.9	3 045	1.0	2 326	1.1	3 354	2.7
Greater Scaup	1	992	0.8	983	0.6	804	0.6	0	0.0
	2	0	0.0	0	0.0	0	0.0	0	0.0
	Total	992	0.6	983	0.5	804	0.4	0	0.0
Lesser Scaup	1	12 975	10.9	9 011	5.8	9 449	6.5	3 927	4.9
	2	2 184	4.0	5 282	9.9	1 779	2.7	3 143	6.7
	Total	15 159	8.7	14 293	6.9	11 228	5.3	7 070	5.6

(continued)

Table 24 *(continued)*
Estimated number of waterfowl harvested in Manitoba, 1985–88

Species	Zone	1985		1986		1987		1988	
		Harvest	%[a]	Harvest	%[a]	Harvest	%[a]	Harvest	%[a]
Ring-necked Duck	1	18 825	15.8	6 254	4.1	6 921	4.7	676	0.9
	2	3 124	5.7	5 048	9.5	4 631	6.9	1 315	2.8
	Total	21 949	12.6	11 302	5.4	11 552	5.4	1 991	1.6
Common Goldeneye	1	1 327	1.1	670	0.4	1 558	1.1	0	0.0
	2	1 880	3.4	255	0.5	270	0.4	97	0.2
	Total	3 215	1.8	925	0.4	1 828	0.9	97	0.0
Bufflehead	1	692	0.6	1 289	0.8	1 698	1.2	1 337	1.7
	2	666	1.2	1 446	2.7	435	0.6	0	0.0
	Total	1 358	0.8	2 735	1.3	2 133	1.0	1 337	1.1
Ruddy Duck	1	0	0.0	457	0.3	86	0.1	192	0.2
	2	1 164	2.1	0	0.0	0	0.0	97	0.2
	Total	1 164	0.7	457	0.2	86	0.0	289	0.2
Total sport ducks		174 009	99.7	207 793	100.0	211 771	99.3	125 969	100.0
Common Eider	1	0	0.0	0	0.0	86	0.1	0	0.0
	2	0	0.0	0	0.0	270	0.4	0	0.0
	Total	0	0.0	0	0.0	356	0.2	0	0.0
Black Scoter	1	0	0.0	0	0.0	0	0.0	0	0.0
	2	0	0.0	0	0.0	1 074	1.6	0	0.0
	Total	0	0.0	0	0.0	1 074	0.5	0	0.0
White-winged Scoter	1	240	0.1	0	0.0	0	0.0	0	0.0
	2	0	0.0	0	0.0	0	0.0	0	0.0
	Total	240	0.1	0	0.0	0	0.0	0	0.0
Surf Scoter	1	240	0.1	0	0.0	0	0.0	0	0.0
	2	0	0.0	0	0.0	0	0.0	0	0.0
	Total	240	0.1	0	0.0	0	0.0	0	0.0
Total sea ducks		480	0.3	0	0.0	1 430	0.7	0	0.0
Total ducks		174 489	45.7	207 793	59.7	213 201	100.0	125 969	100.0
Canada Goose	1	966	0.6	3 880	3.7	2 513	1.7	4 218	4.3
	2	327	0.6	2 938	8.5	0	0.0	1 983	6.5
	Total	1 293	0.6	6 818	4.9	2 513	1.2	6 201	4.8
Small Canada Goose	1	20 642	13.5	10 361	9.8	6 707	4.6	5 993	6.1
	2	5 097	9.3	1 963	5.7	897	1.3	6 182	20.2
	Total	25 739	12.4	12 324	8.8	7 604	3.6	12 175	9.4
Large Canada Goose	1	47 013	30.8	51 315	48.6	48 821	33.4	27 205	27.6
	2	28 553	52.0	20 467	59.2	22 532	33.6	11 002	35.9
	Total	75 566	36.4	71 782	51.2	71 353	33.5	38 207	29.6
Lesser Snow Goose (white phase)	1	49 552	32.5	17 361	16.4	26 274	18.0	29 034	29.5
	2	11 182	20.4	6 288	18.2	2 687	4.0	9 033	29.5
	Total	60 734	29.3	23 649	16.9	28 961	13.6	38 067	29.5
Lesser Snow Goose (blue phase)	1	33 779	22.1	22 046	20.9	38 212	26.1	31 331	31.8
	2	9 711	17.7	2 497	7.2	2 744	4.1	2 011	6.6
	Total	43 490	21.0	24 543	17.5	40 956	19.2	33 342	25.8

(continued)

Table 24 *(concluded)*
Estimated number of waterfowl harvested in Manitoba, 1985–88

		1985		1986		1987		1988	
Species	Zone	Harvest	%[a]	Harvest	%[a]	Harvest	%[a]	Harvest	%[a]
Ross' Goose	1	577	0.4	167	0.2	3 429	2.3	665	0.7
	2	0	0.0	443	1.3	0	0.0	432	1.4
	Total	577	0.3	610	0.4	3 429	1.6	1 097	0.8
White-fronted Goose	1	0	0.0	546	0.5	119	0.1	0	0.0
	2	0	0.0	0	0.0	0	0.0	0	0.0
	Total	0	0.0	546	0.5	119	0.1	0	0.0
Total geese		207 399	54.3	140 272	40.3	154 935	100.0	129 089	100.0
Total waterfowl		381 888	100.0	348 065	100.0	368 136	—	255 058	—

[a] The percentages in Tables 18 through 29 are not comparable between years because they were calculated in different ways.
[b] In 1988 zonal percentages were calculated as (species / total ducks or total geese in zone) × 100; total percentages were calculated as (species / total ducks or total geese in province) × 100.

Table 25
Estimated number of waterfowl harvested in Saskatchewan, 1985–88

		1985		1986		1987		1988	
Species	Zone	Harvest	%[a]	Harvest	%[a]	Harvest	%[a]	Harvest	%[a]
Hooded Merganser	1	0	0.0	0	0.0	0	0.0	0	0.0[b]
	2	0	0.0	0	0.0	0	0.0	0	0.0
	3	0	0.0	248	0.3	0	0.0	0	0.0
	Total	0	0.0	248	0.1	0	0.0	0	0.0
Mallard	1	54 464	68.6	51 222	63.0	55 589	81.9	20 023	66.0
	2	37 728	76.6	40 652	69.5	47 758	78.9	27 813	66.6
	3	66 236	80.5	59 233	68.5	60 252	76.5	25 683	78.6
	Total	158 428	75.1	151 107	66.8	163 599	79.0	73 519	70.2
American Black Duck	1	0	0.0	0	0.0	0	0.0	0	0.0
	2	179	0.4	0	0.0	0	0.0	0	0.0
	3	0	0.0	275	0.3	0	0.0	122	0.4
	Total	179	0.1	275	0.1	0	0.0	122	0.1
Gadwall	1	6 831	8.6	8 187	10.1	1 300	1.9	1 573	5.2
	2	1 337	2.7	5 372	9.2	2 124	3.5	1 617	3.9
	3	4 423	5.4	3 187	3.7	2 010	2.6	127	0.4
	Total	12 591	6.0	16 746	7.4	5 434	2.6	3 317	3.2
American Wigeon	1	5 700	7.2	4 345	5.3	967	1.4	1 145	3.8
	2	827	1.7	2 886	4.9	2 802	4.6	500	1.2
	3	2 135	2.6	4 846	5.6	3 520	4.5	2 734	8.4
	Total	8 662	4.0	12 077	5.3	7 289	3.5	4 379	4.2
Green-winged Teal	1	957	1.2	2 263	2.8	1 908	2.8	1 664	5.5
	2	791	1.6	2 185	3.7	878	1.5	370	0.9
	3	1 392	1.7	2 525	2.9	1 547	2.0	2 064	6.3
	Total	3 140	1.5	6 973	3.1	4 333	2.1	4 098	3.9
Blue-winged Teal	1	1 568	2.0	1 625	2.0	131	0.2	347	1.1
	2	804	1.6	2 221	3.8	1 175	1.9	1 602	3.8
	3	1 868	2.3	2 779	3.2	835	1.1	0	0.0
	Total	4 240	2.0	6 625	2.9	2 141	1.0	1 949	1.9
Northern Shoveler	1	1 495	1.9	970	1.2	2 510	3.7	842	2.8
	2	1 795	3.6	1 493	2.6	735	1.2	1 494	3.6
	3	2 524	3.1	2 765	3.2	2 204	2.8	175	0.5
	Total	5 814	2.8	5 228	2.3	5 449	2.6	2 511	2.4

(continued)

Table 25 *(continued)*
Estimated number of waterfowl harvested in Saskatchewan, 1985–88

Species	Zone	1985 Harvest	1985 %[a]	1986 Harvest	1986 %[a]	1987 Harvest	1987 %[a]	1988 Harvest	1988 %[a]
Northern Pintail	1	4 659	5.9	5 713	7.0	2 597	3.8	3 045	10.0
	2	2 234	4.5	1 729	3.0	2 281	3.8	2 774	6.6
	3	761	0.9	1 605	1.9	3 899	4.9	175	0.5
	Total	7 654	3.6	9 047	4.0	8 777	4.2	5 994	5.7
Redhead	1	1 276	1.6	2 168	2.7	779	1.1	130	0.4
	2	1 267	2.6	435	0.7	0	0.0	0	0.0
	3	789	1.0	3 303	3.8	1 684	2.1	924	2.8
	Total	3 332	1.6	5 906	2.6	2 463	1.2	1 054	1.0
Canvasback	1	1 244	1.6	3 066	3.8	0	0.0	621	2.0
	2	1 875	3.8	644	1.1	563	0.9	1 313	3.1
	3	932	1.1	1 435	1.7	0	0.0	175	0.5
	Total	4 051	1.9	5 145	2.3	563	0.3	2 109	2.0
Greater Scaup	1	0	0.0	0	0.0	0	0.0	0	0.0
	2	0	0.0	0	0.0	149	0.2	0	0.0
	3	0	0.0	248	0.3	0	0.0	0	0.0
	Total	0	0.0	248	0.1	149	0.1	0	0.0
Lesser Scaup	1	953	1.2	1 623	2.0	2 080	1.0	618	2.0
	2	396	0.8	872	1.5	1 330	2.2	4 302	10.3
	3	613	0.7	3 259	3.8	2 861	3.6	122	0.3
	Total	1 962	0.9	5 754	2.5	6 271	3.0	5 042	4.8
Ring-necked Duck	1	0	0.0	0	0.0	0	0.0	0	0.0
	2	0	0.0	0	0.0	225	0.4	0	0.0
	3	0	0.0	0	0.0	0	0.0	0	0.0
	Total	0	0.0	0	0.0	225	0.1	0	0.0
Common Goldeneye	1	0	0.0	0	0.0	0	0.0	0	0.0
	2	0	0.0	0	0.0	0	0.0	0	0.0
	3	0	0.0	494	0.3	0	0.0	367	1.1
	Total	0	0.0	494	0.1	0	0.0	367	0.4
Bufflehead	1	0	0.0	0	0.0	0	0.0	313	1.0
	2	0	0.0	0	0.0	374	0.6	0	0.0
	3	0	0.0	248	0.3	0	0.0	0	0.0
	Total	0	0.0	248	0.1	374	0.2	313	0.3
Ruddy Duck	1	264	0.3	109	0.1	0	0.0	0	0.0
	2	0	0.0	0	0.0	0	0.0	0	0.0
	3	601	0.7	0	0.0	0	0.0	0	0.0
	Total	865	0.4	109	0.0	0	0.0	0	0.0
Total sport ducks		210 918	100.0	226 230	99.9	207 067	99.9	104 776	100.0
White-winged Scoter	1	0	0.0	0	0.0	0	0.0	0	0.0
	2	0	0.0	0	0.0	0	0.0	0	0.0
	3	0	0.0	248	0.1	0	0.0	0	0.0
	Total	0	0.0	248	0.1	0	0.0	0	0.0
Surf Scoter	1	0	0.0	0	0.0	0	0.0	0	0.0
	2	0	0.0	0	0.0	149	0.2	0	0.0
	3	0	0.0	0	0.0	0	0.0	0	0.0
	Total	0	0.0	0	0.0	149	0.1	0	0.0
Total sea ducks		0	0.0	248	0.1	149	0.1	0	0.0
Total ducks		210 918	56.0	226 478	59.6	207 216	100.0	104 776	100.0

(continued)

Table 25 *(concluded)*
Estimated number of waterfowl harvested in Saskatchewan, 1985–88

Species	Zone	1985 Harvest	1985 %[a]	1986 Harvest	1986 %[a]	1987 Harvest	1987 %[a]	1988 Harvest	1988 %[a]
Canada Goose	1	0	0.0	832	1.1	2 854	3.4	421	0.7
	2	0	0.0	208	1.0	214	0.6	1 441	5.9
	3	0	0.0	0	0.0	836	1.5	277	0.6
	Total	0	0.0	1 040	0.7	3 904	2.2	2 139	1.7
Small Canada Goose	1	24 025	27.0	13 055	18.0	17 677	20.8	14 545	25.2
	2	933	4.8	1 091	5.0	3 518	10.6	1 433	5.9
	3	5 985	10.4	6 897	11.7	10 651	19.0	6 101	14.1
	Total	30 943	18.7	21 043	13.7	31 846	18.3	22 079	17.6
Large Canada Goose	1	14 263	16.0	15 539	21.4	23 793	27.9	9 789	16.9
	2	13 957	72.1	18 321	83.7	22 026	66.5	19 888	81.3
	3	27 694	48.3	27 220	46.3	26 109	46.6	25 993	60.2
	Total	55 914	33.8	61 080	39.8	71 928	41.3	55 670	44.4
Lesser Snow Goose (white phase)	1	13 182	14.8	11 010	15.2	8 647	10.2	12 251	21.2
	2	717	3.7	1 587	7.3	259	0.8	771	3.2
	3	10 868	19.0	8 791	14.9	11 389	20.3	7 157	16.8
	Total	24 767	15.0	21 388	13.9	20 295	11.6	20 179	16.1
Lesser Snow Goose (blue phase)	1	1 747	2.0	2 369	3.3	2 015	2.4	1 259	2.2
	2	359	1.9	232	1.1	0	0.0	0	0.0
	3	7 057	12.3	7 673	13.0	2 536	4.5	2 296	5.3
	Total	9 163	5.5	10 274	6.7	4 551	2.6	3 555	2.8
Greater Snow Goose	1	0	0.0	0	0.0	0	0.0	0	0.0
	2	0	0.0	0	0.0	0	0.0	0	0.0
	3	0	0.0	0	0.0	0	0.0	85	0.2
	Total	0	0.0	0	0.0	0	0.0	85	0.0
Ross' Goose	1	5 464	6.1	511	0.7	1 297	1.5	1 324	2.3
	2	0	0.0	0	0.0	274	0.8	0	0.0
	3	189	0.3	0	0.0	106	0.2	0	0.0
	Total	5 653	3.4	511	0.3	1 677	1.0	1 324	1.1
White-fronted Goose	1	30 277	34.0	29 345	40.4	28 889	33.9	18 189	31.5
	2	3 390	17.5	446	2.0	6 843	20.7	917	3.8
	3	5 540	9.7	8 232	14.0	4 391	7.8	1 263	2.9
	Total	39 207	23.7	38 023	24.8	40 123	23.0	20 369	16.2
Brant	1	0	0.0	0	0.0	0	0.0	0	0.0
	2	0	0.0	0	0.0	0	0.0	0	0.0
	3	0	0.0	0	0.0	0	0.0	0	0.0
	Total	0	0.0	0	0.0	0	0.0	0	0.0
Total geese		165 647	44.0	153 359	40.4	174 324	100.0	125 398	100.0
Total waterfowl		376 565	100.0	379 837	100.0	381 540	—	230 174	—

[a] The percentages in Tables 18 through 29 are not comparable between years because they were calculated in different ways.
[b] In 1988 zonal percentages were calculated as (species / total ducks or total geese in zone) × 100; total percentages were calculated as (species / total ducks or total geese in province) × 100.

Table 26
Estimated number of waterfowl harvested in Alberta, 1985–88

Species	Zone	1985 Harvest	1985 %[a]	1986 Harvest	1986 %[a]	1987 Harvest	1987 %[a]	1988 Harvest	1988 %[a]
Common Merganser	1	134	0.1	315	0.4	0	0.0	193	0.3[b]
	2	0	0.0	0	0.0	0	0.0	0	0.0
	Total	134	0.0	315	0.1	0	0.0	193	0.1
Hooded Merganser	1	0	0.0	129	0.1	0	0.0	0	0.0
	2	0	0.0	0	0.0	178	0.1	0	0.0
	Total	0	0.0	129	0.1	178	0.1	0	0.0
Mallard	1	61 697	60.4	56 184	63.0	79 605	71.5	47 733	72.1
	2	119 179	66.1	125 814	68.2	135 674	70.0	90 282	77.2
	Total	180 876	64.0	181 998	66.5	215 279	70.5	138 015	75.4
American Black Duck	1	0	0.0	0	0.0	0	0.0	98	0.2
	2	0	0.0	0	0.0	0	0.0	0	0.0
	Total	0	0.0	0	0.0	0	0.0	98	0.0
Gadwall	1	7 044	6.9	5 846	6.6	4 723	4.2	3 272	4.9
	2	10 353	5.7	12 591	6.8	14 877	7.7	4 851	4.2
	Total	17 397	6.2	18 437	6.7	19 600	6.4	8 123	4.4
American Wigeon	1	6 364	6.2	4 738	5.3	6 486	5.8	4 059	6.1
	2	6 880	3.8	8 499	4.6	5 502	2.8	3 812	3.3
	Total	13 244	4.7	13 237	4.8	11 988	3.9	7 871	4.3
Green-winged Teal	1	4 796	4.7	2 684	3.0	5 012	4.5	1 375	2.1
	2	6 645	3.7	4 499	2.4	5 300	2.7	1 457	1.3
	Total	11 441	4.0	7 183	2.6	10 312	3.4	2 832	1.6
Blue-winged Teal	1	3 350	3.3	3 059	3.4	1 670	1.5	1 255	1.9
	2	6 615	3.7	5 435	2.9	4 278	2.2	675	0.6
	Total	9 965	3.5	8 494	3.1	5 948	1.9	1 930	1.1
Northern Shoveler	1	3 606	3.5	5 678	6.4	1 730	1.6	1 278	1.9
	2	6 971	3.9	11 749	6.4	5 249	2.7	1 456	1.3
	Total	10 577	3.7	17 427	6.4	6 979	2.3	2 734	1.5
Northern Pintail	1	9 320	9.1	3 056	3.4	8 559	7.7	5 432	8.2
	2	14 347	8.0	5 924	3.2	12 619	6.5	9 871	8.4
	Total	23 667	8.4	8 980	3.3	21 178	6.9	15 303	8.4
Wood Duck	1	115	0.1	0	0.0	0	0.0	0	0.0
	2	0	0.0	0	0.0	0	0.0	0	0.0
	Total	115	0.0	0	0.0	0	0.0	0	0.0
Redhead	1	1 567	1.5	2 695	3.0	1 316	1.2	532	0.8
	2	3 660	2.0	2 317	1.3	2 496	0.8	142	0.1
	Total	5 227	1.9	5 012	1.8	3 812	1.2	674	0.4
Canvasback	1	646	0.6	1 264	1.4	349	0.3	65	0.1
	2	744	0.4	2 735	1.5	449	0.2	301	0.3
	Total	1 390	0.5	3 999	1.5	798	0.3	366	0.2
Greater Scaup	1	0	0.0	0	0.0	0	0.0	0	0.0
	2	0	0.0	161	0.1	0	0.0	0	0.0
	Total	0	0.0	161	0.1	0	0.0	0	0.0
Lesser Scaup	1	2 435	2.4	1 939	2.2	1 009	0.9	561	0.9
	2	3 724	2.1	3 871	2.1	4 466	2.3	3 206	2.7
	Total	6 159	2.2	5 810	2.1	5 475	1.8	3 767	2.1
Ring-necked Duck	1	255	0.2	508	0.6	0	0.0	227	0.3
	2	377	0.2	474	0.3	852	0.4	179	0.2
	Total	632	0.2	982	0.4	852	0.3	406	0.2

(continued)

Table 26 *(concluded)*
Estimated number of waterfowl harvested in Alberta, 1985–88

Species	Zone	1985 Harvest	1985 %[a]	1986 Harvest	1986 %[a]	1987 Harvest	1987 %[a]	1988 Harvest	1988 %[a]
Common Goldeneye	1	368	0.4	111	0.1	335	0.3	0	0.0
	2	558	0.3	162	0.1	1 710	0.9	0	0.0
	Total	926	0.3	273	0.1	2 045	0.7	0	0.0
Barrow's Goldeneye	1	0	0.0	351	0.4	117	0.1	98	0.1
	2	0	0.0	0	0.0	0	0.0	0	0.0
	Total	0	0.0	351	0.1	117	0.0	98	0.0
Bufflehead	1	512	0.5	0	0.0	117	0.1	65	0.1
	2	0	0.0	110	0.1	305	0.2	675	0.6
	Total	512	0.2	110	0.0	422	0.1	740	0.4
Ruddy Duck	1	0	0.0	596	0.7	224	0.2	0	0.0
	2	259	0.1	110	0.1	0	0.0	0	0.0
	Total	259	0.1	706	0.3	224	0.1	0	0.0
Total sport ducks		282 521	99.9	273 604	100.0	305 207	100.0	183 145	100.0
White-winged Scoter	1	0	0.0	0	0.0	117	0.1	0	0.0
	2	259	0.1	0	0.0	0	0.0	0	0.0
	Total	259	0.1	0	0.0	117	0.0	0	0.0
Surf Scoter	1	0	0.0	0	0.0	0	0.0	0	0.0
	2	0	0.0	0	0.0	0	0.0	0	0.0
	Total	0	0.0	0	0.0	0	0.0	0	0.0
Total sea ducks		259	0.1	0	0.0	117	0.0	0	0.0
Total ducks		282 780	68.8	273 604	69.4	305 324	100.0	183 145	100.0
Canada Goose	1	731	1.3	517	0.9	836	1.3	6 247	12.0
	2	5 350	7.4	798	1.2	1 929	2.4	19 322	24.5
	Total	6 081	4.7	1 315	1.1	2 765	1.9	25 569	19.5
Small Canada Goose	1	10 771	19.3	7 080	12.8	11 429	18.0	7 998	15.4
	2	13 708	19.0	16 894	25.9	25 826	31.9	10 340	13.1
	Total	24 479	19.1	23 974	19.9	37 255	25.8	18 338	14.0
Large Canada Goose	1	31 459	56.4	27 814	50.3	40 574	63.8	23 138	44.4
	2	41 064	56.8	35 087	53.8	45 615	56.3	32 596	41.3
	Total	72 523	56.6	62 901	52.2	86 189	59.6	55 734	42.5
Lesser Snow Goose (white phase)	1	6 350	11.4	4 276	7.7	3 026	4.8	3 293	6.3
	2	4 589	6.3	4 376	6.7	1 213	1.5	5 932	7.5
	Total	10 939	8.5	8 652	7.2	4 239	2.9	9 225	7.0
Lesser Snow Goose (blue phase)	1	0	0.0	531	1.0	0	0.0	82	0.2
	2	941	1.3	603	0.9	384	0.5	130	0.2
	Total	941	0.7	1 134	0.9	384	0.3	212	0.2
Ross' Goose	1	731	1.3	1 780	3.2	220	0.3	1 487	2.9
	2	421	0.6	469	0.7	158	0.2	732	0.9
	Total	1 152	0.9	2 249	1.9	378	0.3	2 219	1.7
White-fronted Goose	1	5 751	10.3	13 334	24.1	7 474	11.8	9 863	18.9
	2	6 239	8.6	6 958	10.7	5 943	7.3	9 840	12.5
	Total	11 990	9.4	20 292	16.8	13 417	9.3	19 703	15.0
Total geese		128 105	31.2	120 517	30.6	144 627	100.0	131 001	100.0
Total waterfowl		410 885	100.0	394 121	100.0	449 951	—	314 146	—

[a] The percentages in Tables 18 through 29 are not comparable between years because they were calculated in different ways.
[b] In 1988 zonal percentages were calculated as (species / total ducks or total geese in zone) × 100; total percentages were calculated as (species / total ducks or total geese in province) × 100.

Table 27
Estimated number of waterfowl harvested in British Columbia, 1985–88

Species	Zone	1985 Harvest	1985 %[a]	1986 Harvest	1986 %[a]	1987 Harvest	1987 %[a]	1988 Harvest	1988 %[a]
Common Merganser	1	0	0.0	210	0.5	213	0.4	186	0.5[b]
	2	85	0.1	49	0.1	59	0.1	69	0.1
	Total	85	0.1	259	0.2	272	0.2	255	0.2
Red-breasted Merganser	1	0	0.0	37	0.1	0	0.0	0	0.0
	2	0	0.0	0	0.0	0	0.0	27	0.0
	Total	0	0.0	37	0.0	0	0.0	27	0.0
Hooded Merganser	1	305	0.6	171	0.4	246	0.5	363	0.9
	2	216	0.2	0	0.0	158	0.2	70	0.1
	Total	521	0.4	171	0.1	404	0.3	433	0.4
Mallard	1	27 531	58.5	26 495	60.6	33 702	62.0	24 396	59.7
	2	54 285	55.4	45 677	57.3	44 586	56.7	39 628	53.1
	Total	81 816	56.4	72 172	58.5	78 288	58.9	64 024	55.4
Gadwall	1	635	1.4	430	1.0	767	1.4	819	2.0
	2	1 262	1.3	631	0.8	455	0.6	1 717	2.3
	Total	1 915	1.3	1 061	0.9	1 222	0.9	2 536	2.2
American Wigeon	1	4 568	9.7	3 966	9.1	4 481	8.3	4 812	11.8
	2	16 538	16.9	11 872	14.9	11 112	14.1	10 416	14.0
	Total	21 106	14.5	15 838	12.8	15 593	11.7	15 228	13.2
Green-winged Teal	1	3 804	8.1	2 555	5.8	2 217	4.1	2 267	5.5
	2	11 977	12.2	9 745	12.2	7 548	9.6	9 172	12.3
	Total	15 781	10.9	12 300	10.0	9 765	7.3	11 439	9.9
Blue-winged Teal	1	1 219	2.6	602	1.4	1 506	2.8	830	2.0
	2	340	0.3	0	0.0	34	0.0	219	0.3
	Total	1 559	1.1	602	0.5	1 540	1.2	1 049	0.9
Northern Shoveler	1	1 169	2.5	609	1.4	497	0.9	505	1.2
	2	1 004	1.0	1 221	1.5	1 251	1.6	1 450	1.9
	Total	2 173	1.5	1 830	1.5	1 748	1.3	1 955	1.7
Northern Pintail	6.3	2 340	5.0	2 256	5.2	3 697	6.8	2 713	6.6
	2	9 125	9.3	6 563	8.2	7 899	10.0	8 240	11.0
	Total	11 465	7.9	8 819	7.1	11 596	8.7	10 953	9.5
Wood Duck	1	0	0.0	236	0.5	0	0.0	93	0.2
	2	813	0.8	764	1.0	282	0.4	1 028	1.4
	Total	813	0.6	1 000	0.8	282	0.2	1 121	0.9
Redhead	1	223	0.5	88	0.2	176	0.3	0	0.0
	2	0	0.0	0	0.0	34	0.0	0	0.0
	Total	223	0.2	88	0.1	210	0.2	0	0.0
Canvasback	1	216	0.5	556	1.3	126	0.2	149	0.4
	2	0	0.0	348	0.4	386	0.5	69	0.1
	Total	216	0.1	904	0.7	512	0.4	218	0.2
Greater Scaup	1	0	0.0	288	0.7	236	0.4	66	0.2
	2	148	0.2	821	1.0	128	0.2	148	0.2
	Total	148	0.1	1 109	0.9	364	0.3	214	0.2
Lesser Scaup	1	1 132	2.4	870	2.0	538	1.0	242	0.6
	2	233	0.2	350	0.4	702	0.9	269	0.4
	Total	1 365	0.9	1 220	1.0	1 240	0.9	511	0.4
Ring-necked Duck	1	576	1.2	1 383	3.2	1 251	2.3	576	1.4
	2	405	0.4	0	0.0	169	0.2	619	0.8
	Total	986	0.7	1 383	1.1	1 420	1.1	1 195	1.0

(continued)

Table 27 *(continued)*
Estimated number of waterfowl harvested in British Columbia, 1985–88

Species	Zone	1985		1986		1987		1988	
		Harvest	%[a]	Harvest	%[a]	Harvest	%[a]	Harvest	%[a]
Common Goldeneye	1	975	2.1	957	2.2	1 338	2.5	785	1.9
	2	204	0.2	219	0.3	517	0.7	436	0.6
	Total	1 179	0.8	1 176	1.0	1 855	1.4	1 221	1.1
Barrow's Goldeneye	1	909	1.9	860	2.0	1 122	2.1	928	2.3
	2	85	0.1	0	0.0	280	0.4	0	0.0
	Total	994	0.7	860	0.7	1 402	1.1	928	0.8
Bufflehead	1	1 340	2.8	1 135	2.6	1 879	3.5	1 172	2.9
	2	1 241	1.3	1 396	1.8	2 209	2.8	871	1.2
	Total	2 581	1.8	2 531	2.1	4 088	3.1	2 043	1.8
Ruddy Duck	1	0	0.0	0	0.0	140	0.3	0	0.0
	2	0	0.0	0	0.0	558	0.7	0	0.0
	Total	0	0.0	0	0.0	698	0.5	0	0.0
Total sport ducks		145 118	99.8	123 360	99.2	132 499	99.6	115 350	99.8
Oldsquaw	1	132	0.1	0	0.0	0	0.0	0	0.0
	2	0	0.0	0	0.0	0	0.0	135	0.2
	Total	132	0.1	0	0.0	0	0.0	135	0.1
Harlequin Duck	1	0	0.0	0	0.0	43	0.1	0	0.0
	2	0	0.0	596	0.5	63	0.1	0	0.0
	Total	0	0.0	596	0.5	106	0.1	0	0.0
King Eider	1	0	0.0	34	0.0	0	0.0	0	0.0
	2	0	0.0	0	0.0	0	0.0	0	0.0
	Total	0	0.0	34	0.0	0	0.0	0	0.0
Black Scoter	1	0	0.0	0	0.0	0	0.0	0	0.0
	2	0	0.0	0	0.0	0	0.0	55	0.1
	Total	0	0.0	0	0.0	0	0.0	55	0.0
White-winged Scoter	1	0	0.0	303	0.2	90	0.2	0	0.0
	2	74	0.1	0	0.0	0	0.0	0	0.0
	Total	74	0.1	303	0.2	90	0.1	0	0.0
Surf Scoter	1	0	0.0	24	0.0	50	0.1	0	0.0
	2	74	0.1	0	0.0	242	0.3	0	0.0
	Total	74	0.1	24	0.0	292	0.2	0	0.0
Total sea ducks		280	0.2	957	0.8	488	0.4	190	0.2
Total ducks		145 398	86.1	124 317	88.6	132 987	100.0	115 540	100.0
Canada Goose	1	5 345	44.2	323	4.4	369	4.1	5 364	60.2
	2	6 084	53.1	427	4.9	988	10.9	4 744	50.7
	Total	11 429	48.5	750	4.7	1 357	7.5	10 108	55.3
Small Canada Goose	1	1 609	13.3	621	8.5	1 414	15.8	629	7.1
	2	176	1.5	495	5.7	468	5.2	91	0.1
	Total	1 785	7.6	1 116	7.0	1 882	10.5	720	3.9
Large Canada Goose	1	4 904	40.5	6 259	85.7	7 096	79.5	2 894	32.5
	2	994	8.7	5 260	60.6	5 559	61.2	2 354	25.2
	Total	5 898	25.0	11 519	72.1	12 655	70.3	5 248	28.7
Lesser Snow Goose (white phase)	1	35	0.3	35	0.5	0	0.0	0	0.0
	2	3 835	33.5	2 503	28.8	1 993	22.0	2 091	22.3
	Total	3 870	16.4	2 538	15.9	1 993	11.1	2 091	11.4

Table 27 *(concluded)*
Estimated number of waterfowl harvested in British Columbia, 1985–88

Species	Zone	1985 Harvest	1985 %[a]	1986 Harvest	1986 %[a]	1987 Harvest	1987 %[a]	1988 Harvest	1988 %[a]
White-fronted Goose	1	211	1.7	64	0.9	46	0.5	0	0.0
	2	193	1.7	0	0.0	69	0.8	81	0.9
	Total	404	1.7	64	0.4	115	0.6	81	0.4
Brant	1	0	0.0	0	0.0	0	0.0	0	0.0
	2	0	0.0	0	0.0	0	0.0	0	0.0
	Total	0	0.0	0	0.0	0	0.0	0	0.0
Total geese		23 552	13.9	15 987	11.4	18 002	100.0	18 273	100.0
Total waterfowl		168 950	100.0	140 304	100.0	150 989	—	133 813	—

[a] The percentages in Tables 18 through 29 are not comparable between years because they were calculated in different ways.
[b] In 1988 zonal percentages were calculated as (species / total ducks or total geese in zone) × 100; total percentages were calculated as (species / total ducks or total geese in province) × 100.

Table 28
Estimated number of waterfowl harvested in the Northwest Territories, 1985–88

Species	1985 Harvest	1985 %[a]	1986 Harvest	1986 %[a]	1987 Harvest	1987 %[a]	1988 Harvest	1988 %[a]
Common Merganser	0	0.0	245	4.7	0	0.0	0	0.0
Mallard	5 816	60.0	839	16.1	545	12.3	4 736	92.3
American Wigeon	0	0.0	733	14.0	0	0.0	0	0.0
Green-winged Teal	0	0.0	876	16.8	0	0.0	0	0.0
Blue-winged Teal	0	0.0	164	3.1	0	0.0	0	0.0
Northern Shoveler	0	0.0	638	12.2	0	0.0	0	0.0
Canvasback	0	0.0	82	1.6	0	0.0	0	0.0
Lesser Scaup	1 939	20.0	238	4.6	0	0.0	396	7.7
Ring-necked Duck	1 939	20.0	1 146	21.9	637	14.4	0	0.0
Common Goldeneye	0	0.0	79	1.5	3 247	73.3	0	0.0
Bufflehead	0	0.0	185	3.5	0	0.0	0	0.0
Ruddy Duck	0	0.0	0	0.0	0	0.0	0	0.0
Total sport ducks	9 694	62.5	5 225	96.6	4 429	100.0	5 132	100.0
White-winged Scoter	3 878	25.0	0	0.0	0	0.0	0	0.0
Surf Scoter	1 939	12.5	183	3.4	0	0.0	0	0.0
Total sea ducks	5 817	37.5	183	3.4	0	0.0	0	0.0
Total ducks	15 511	100.0	5 408	92.6	4 429	100.0	5 132	100.0
Canada Goose	0	0.0	432	100.0	0	0.0	0	0.0
White-fronted Goose	0	0.0	0	0.0	0	0.0	0	0.0
Total geese[b]	0	0.0	432	7.4	914	100.0	230	100.0
Total waterfowl	15 511	100.0	5 840	100.0	5 343	—	5 362	—

[a] The percentages in Tables 18 through 29 are not comparable between years because they were calculated in different ways.
[b] In some years, geese were reported in the NHS as being harvested, but no parts were received in the SCS. The harvest could not be identified to the species level.

Table 29
Estimated number of waterfowl harvested in the Yukon Territory, 1985–88

Species	1985		1986		1987		1988	
	Harvest	%[a]	Harvest	%[a]	Harvest	%[a]	Harvest	%[a]
Mallard	1 168	39.3	857	30.4	263	17.3	408	30.7
American Wigeon	12	0.4	365	13.0	0	0.0	348	26.2
Green-winged Teal	90	3.0	767	27.2	340	22.4	0	0.0
Northern Shoveler	628	21.1	0	0.0	213	14.0	0	0.0
Northern Pintail	932	31.4	785	27.9	656	43.2	0	0.0
Canvasback	0	0.0	0	0.0	0	0.0	0	0.0
Greater Scaup	142	4.8	0	0.0	0	0.0	0	0.0
Lesser Scaup	0	0.0	0	0.0	33	2.2	0	0.0
Goldeneye[b]	0	0.0	0	0.0	6	0.4	16	1.2
Bufflehead	0	0.0	42	1.5	6	0.4	555	41.8
Total sport ducks	2 972	100.0	2 816	98.3	1 517	100.0	1 327	100.0
Black Scoter	0	0.0	42	87.5	0	0.0	0	0.0
Surf Scoter	0	0.0	6	12.5	0	0.0	0	0.0
Total sea ducks	0	0.0	48	1.7	0	0.0	0	0.0
Total ducks	2 972	93.3	2 864	87.2	1 517	100.0	1 327	100.0
Small Canada Goose	0	0.0	73	17.4	0	0.0	230	100.0
Large Canada Goose	213	100.0	347	82.6	0	0.0	0	0.0
White-fronted Goose	0	0.0	0	0.0	0	0.0	0	0.0
Total geese[c]	213	6.7	420	12.8	358	100.0	230	100.0
Total waterfowl	3 185	100.0	3 284	100.0	1 875	—	1 557	—

[a] The percentages in Tables 18 through 29 are not comparable between years because they were calculated in different ways.
[b] Includes Common Goldeneye and Barrow's Goldeneye kills.
[c] In some years, geese were reported in the NHS as being harvested, but no parts were received in the SCS. The harvest could not be identified to the species level.

Published by Authority of the Minister of the Environment
© Minister of Supply and Services Canada, 1990
Catalogue No. CW69-9/190E
ISBN 0-662-17651-0
ISSN 0069-0023
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